6069

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<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6847
Ser Gly Ser Xaa Phe Trp Lys Ala Leu Thr Phe Met Ala Val Gly Gly
 1               5                  10                  15

Gly Leu Ala Val Ala Gly Leu Pro Ala Leu Gly Phe Thr Gly Ala Gly
                20                  25                  30

Ile Ala Ala Asn Ser Val Ala Ala Ser Leu Met Xaa Trp Ser Ala Ile
        35                  40                  45

Leu Asn Gly Gly Gly Val Pro Ala Gly Gly Leu Val Ala Thr Leu Gln
    50                  55                  60

Ser Leu Gly Ala Gly Gly Ser Lys Val Xaa Ile Xaa Asn Ile Gly Ala
65                  70                  75                  80

Leu Met Gly Tyr Ala Thr His Xaa Tyr Leu Asp Ser Glu Glu Asp Xaa
                85                  90                  95

Glu Xaa Pro Ala Ala Xaa Xaa Thr Ser Ser Ser Phe Leu Ala
                100                 105                 110


<210> 6848
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6848
His Leu Cys Ala Glu Ser Asp Ser Val Leu Arg Val Thr Arg Arg Gly
  1   5   10   15

Glu Gln Ala Asp His Phe Thr Gln Thr Pro Leu Xaa Pro Gly Ser Gln
              20   25   30

Val Leu Val Arg Val Asp Trp Glu Arg Arg Phe Asp His Met Gln Gln
          35   40   45

His Ser Gly Gln His Leu Ile Thr Ala Val Xaa Asp His Leu Phe Lys
      50   55   60

Leu Lys Thr Thr Ser Xaa Glu Leu Gly Arg Phe Arg Ser Ala Ile Xaa
  65   70   75   80

Leu Asp Thr Pro Ser Met Thr
              85

<210> 6849
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6849

6071

```
Asn Pro Ala Leu Glu Leu Lys Arg Ala Thr Trp Leu Asn Ala Glu Lys
 1               5                  10                  15

Asn Gly Gln Arg Pro Lys Thr Gln Leu Leu Pro Gln Lys Thr Thr Cys
             20              25              30

Gln Lys Ile Pro Arg Asn Asn Arg Leu Met Tyr Ile His Ser Tyr Gln
         35              40              45

Ser Tyr Val Trp Asn Asn Met Val Ser Lys Arg Ile Glu Asp Tyr Gly
     50              55              60

Leu Asn Leu Phe Gln Gly Thr Ser Xaa Ser Lys Asp Pro Ser Pro Tyr
 65              70              75              80

Ile Glu Glu Asp Asp Val Ile Ile Thr Leu Xaa Met Met Trp Glu Cys
             85              90              95

Leu Ala Trp Phe Arg Trp Tyr Leu Pro Gln Ala Leu Lys Phe Lys Lys
             100             105             110

Pro Thr Gly Lys Cys Ser Gln Leu Thr Ile
             115             120
```

```
<210> 6850
<211> 81
<212> PRT
<213> Homo sapiens

<400> 6850
Cys Thr Ile Cys Thr Ala Thr Ser Arg Val Gly Val Ile Gly Ile Gly
 1               5                  10                  15

Gly Leu Gly His Ile Ala Ile Lys Leu Leu His Ala Met Gly Cys Glu
             20              25              30

Val Thr Ala Phe Ser Ser Asn Pro Ala Lys Glu Gln Glu Val Leu Ala
             35              40              45

Met Gly Ala Asp Lys Val Val Asn Ser Arg Asp Pro Gln Ala Leu Lys
     50              55              60

Ala Leu Ala Gly Gln Phe Asp Leu Ile Ile Asn Thr Val Asn Val Ser
 65              70              75              80

Leu
```

6072

```
<210> 6851
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6851
Ala Xaa Xaa Thr Glu Asn Cys Lys Ile Leu Met Thr Lys Ile Lys Glu
 1               5                   10                  15

Asp Ile Asn Lys Trp Arg Asn Ile Pro Cys Ser Trp Ile Gly Arg Leu
            20                  25                  30

Thr Leu Leu Asn Cys His Phe Ser Pro Asp Gly Ser Thr Glu Ser Thr
            35                  40                  45



<210> 6852
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids
```

6073

<400> 6852
Ala Ala Ala Ala Ala Arg Arg Asp Ala Ala Glu Val Phe Leu Val Ser
  1   5   10   15

Asp Pro Ser Gly Arg Met Val Lys Ser Ser Leu Gln Arg Ile Leu Asn
              20   25   30

Ser His Cys Phe Ala Arg Glu Lys Glu Gly Asp Lys Pro Ser Ala Thr
          35   40   45

Ile His Ala Xaa Arg Thr Met Pro Leu Leu Ser Leu His Xaa Pro Xaa
      50   55   60

<210> 6853
<211> 106
<212> PRT
<213> Homo sapiens

<400> 6853
Lys Gln Ser Pro Glu Leu Val Lys Lys His Lys Lys Lys Arg Val Val
  1   5   10   15

Pro Lys Lys Pro Pro Pro Ser Pro Gln Pro Thr Gly Lys Ile Glu Ile
              20   25   30

Lys Ile Val Arg Pro Trp Ala Glu Gly Thr Glu Glu Gly Ala Arg Trp
          35   40   45

Leu Thr Asp Glu Asp Thr Arg Asn Leu Lys Glu Ile Phe Phe Asn Ile
      50   55   60

Leu Val Pro Gly Ala Glu Glu Ala Gln Lys Glu Arg Gln Arg Gln Lys
 65   70   75   80

Glu Leu Glu Ser Asn Tyr Arg Arg Val Trp Gly Ser Pro Gly Gly Glu
              85   90   95

Gly Thr Gly Asp Leu Asp Glu Phe Asp Phe
              100   105

<210> 6854
<211> 44
<212> PRT
<213> Homo sapiens

6074

<400> 6854
Asn Arg Leu Phe Arg Lys Ser Cys Thr Ser Leu Lys Phe Leu Thr Phe
 1   5   10   15

Thr Cys Phe Phe Gln Ser Tyr Leu Tyr Gln Ile Leu Gln Gly Ile Val
            20   25   30

Phe Cys His Ser Arg Arg Val Leu His Arg Asp Leu
            35   40

<210> 6855
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6855
Ala Arg Ala Glu Phe Gly Thr Ser Gly Thr Ser Lys Gly Ser Cys Phe
 1   5   10   15

His Arg Ile Ile Pro Gly Phe Met Cys Gln Gly Gly Asp Phe Thr Arg
            20   25   30

His Asn Gly Thr Gly Gly Lys Ser Ile Tyr Gly Glu Lys Phe Glu Asp
            35   40   45

Xaa Asn Phe Ile Leu Lys His Thr Gly Pro Gly Ile Leu Ser Met Ala
    50   55   60

Asn Ala Gly Pro Asn Thr Asn Gly Ser Gln Phe Phe Ile Cys Thr Ala
 65   70   75   80

Gln Asp

<210> 6856
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE

6075

```
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6856
Val Asn Ser Leu Pro Gly Ser Pro Asp Leu Val Asp Tyr Thr Leu Ser
 1               5                   10                  15

Xaa Pro Ala Arg Ala Xaa Xaa Thr Xaa Arg Thr Arg Gly Gly Thr His
            20                  25                  30



<210> 6857
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6857
```

```
Ile Gly Gly Xaa Ile Pro Ala Gly Pro Gln Cys Thr Leu Val Ser Arg
 1               5                   10                  15

Ala Pro Gln Thr Leu Lys Met Asp Glu Leu Leu Ala Glu Met Gln Gln
              20              25                  30

Thr Xaa Glu Ser Asn Phe Leu Gln Ala Pro Gln Arg Ala Pro Gly Val
        35                  40                  45

Xaa Asp Leu Ala Leu Ser Glu Asn Trp Ala Gln Ser Asp Leu Gln Leu
    50              55                  60

Glu Met Leu Trp Met
 65
```

```
<210> 6858
<211> 127
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6858
Leu Trp Arg Val Trp Gly Ala Glu Pro Arg Ala Pro Val Gly Pro Leu
 1               5                   10                  15

Leu Trp Arg Trp Ala Gln Pro Gly Ala Ala Ser Phe Glu Gly Arg Arg
              20              25                  30

Asp Leu Phe Lys Gly Val Glu Thr Gly Arg Lys Arg Pro Arg Leu Gly
              35              40                  45

Phe Gln Gly Ala Gly Asn Val Asn Arg Arg Leu Ala Cys Pro Leu Thr
    50              55                  60

Val Ala Pro Ser Ser Pro Arg Lys Met Phe Ser Ser Val Ala His Leu
```

6077

```
      65                    70                    75                    80

Ala Arg Ala Asn Pro Phe Asn Thr Pro His Leu Gln Leu Val His Asp
                85                    90                    95

Gly Leu Gly Asp Leu Arg Ser Xaa Xaa Pro Gly Pro Thr Gly Xaa Pro
                100                   105                   110

Arg Arg Leu Ala Thr Cys Ser Arg Arg Arg Gly Arg Val Gln Leu
            115                   120                   125
```

```
<210> 6859
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (105)
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6078

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6859
Ile Arg His Xaa Val Lys Arg Gly Leu Val Leu Arg Asn Glu Lys Cys
 1   5   10   15

Asn Glu Asn Tyr Thr Thr Asp Phe Ile Phe Asn Leu Tyr Ser Glu Glu
            20   25   30

Gly Lys Gly Ile Phe Asp Ser Arg Xaa Asn Val Leu Gly His Met Gln
        35   40   45

Gln Gly Gly Ser Pro Thr Pro Phe Asp Arg Asn Phe Ala Thr Lys Met
    50   55   60

Gly Ala Lys Ala Met Asn Trp Xaa Ser Gly Lys Ile Lys Lys Asn Tyr
65   70   75   80

Arg Asn Gly Arg Ile Phe Ala Xaa Thr Pro Xaa Pro Ala Leu Phe Leu
             85   90   95

Gly Tyr Leu Lys Xaa Leu Val Phe Xaa Gln Trp Leu Thr Glu Arg Gln
        100   105   110

Xaa

<210> 6860
<211> 70
<212> PRT
<213> Homo sapiens

<400> 6860
Met Glu Arg Gly Lys Ile Gln Val Ser Thr Asp Phe Ala Met Gln Asn
 1   5   10   15

Val Leu Leu Gln Met Gly Leu His Val Leu Ala Val Asn Gly Met Leu
            20   25   30

Ile Arg Glu Ala Arg Ser Tyr Ile Leu Arg Cys His Gly Cys Phe Lys
        35   40   45

Thr Thr Ser Asp Met Ser Arg Val Phe Cys Ser His Cys Gly Asn Lys
    50   55   60

```
Thr Leu Lys Lys Cys Pro
 65                   70
```

<210> 6861
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6861
```
Val Ala Pro Thr Gly Pro Met Ala Ala Pro Gly Ala Pro Ala Glu Tyr
  1           5               10              15

Gly Tyr Ile Arg Thr Val Leu Gly Gln Gln Ile Leu Gly Gln Leu Asp
             20              25              30

Ser Ser Ser Leu Ala Leu Pro Ser Glu Ala Lys Leu Lys Leu Ala Gly
         35              40              45

Ser Ser Gly Arg Gly Gly Gln Thr Val Lys Ser Leu Arg Ile Gln Glu
     50              55              60

Gln Val Gln Gln Thr Leu Xaa Arg Lys Ala Ala Ala Pro Trp Ala Thr
 65             70              75              80

Glu Ile Phe Thr Glu Pro Ala Val Phe
                 85
```

<210> 6862
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

6080

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (88)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6862
Ser Xaa Arg Phe Gly Thr Arg Arg Gly Ser Ser His Leu Ser Gln Trp
 1   5   10   15

Leu Asn Asn Xaa Phe Ala Leu Pro Phe Ser Xaa Met Ala Ser Xaa Leu

6081

```
              20                    25                    30
Asp Met Ser Xaa Val Val Gly Ala Gly Xaa Lys His Thr Pro Asp Ser
        35                    40                    45

Xaa Asn Lys Cys Ser Xaa Trp Gly Leu Cys His Lys Leu His Arg Ser
        50                    55                    60

Leu Ser Ser Pro Xaa Ala Ser Gly Lys Xaa Leu Gln Leu His Ser His
65                    70                    75                    80

His Pro Val Pro Gln Lys Arg Xaa Pro Ile
                      85                    90
```

<210> 6863
<211> 138
<212> PRT
<213> Homo sapiens

<400> 6863
```
Ser Asp Ser Asp Lys Glu Trp Ile Ala Ala Leu Arg Arg Lys Tyr Arg
 1               5                   10                    15

Ser Arg Glu Gln Thr Leu Ser Ser Ser Gly Glu Ser Trp Glu Thr Leu
               20                    25                    30

Pro Gly Lys Glu Glu Arg Glu Pro Pro Gln Ala Lys Val Ser Ala Ser
         35                    40                    45

Thr Gly Thr Ser Pro Gly Pro Gly Ala Ser Ala Ser Ala Gly Ala Gly
     50                    55                    60

Ala Gly Ala Asn Ala Gly Ser Asn Gly Ser Asn Tyr Leu Glu Glu Val
65                    70                    75                    80

Arg Glu Pro Ser Leu Gln Glu Glu Gln Ala Ser Leu Glu Glu Gly Glu
               85                    90                    95

Ile Pro Trp Leu Gln Tyr His Glu Asn Asp Ser Ser Ser Glu Gly Asp
             100                   105                   110

Asn Asp Ser Gly His Glu Leu Met Gln Pro Gly Val Phe Met Leu Asp
         115                   120                   125

Gly Asn Thr Thr Leu Lys Met Thr Ser Val
         130                   135
```

6082

```
<210> 6864
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (145)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6864
Val Phe Xaa Gln Phe Asn Gly Lys Arg Cys Thr Asp Ala Val Gly Asp
 1           5                   10                  15

Arg Arg Gln Cys Val Pro Thr Glu Pro Cys Glu Asp Ala Glu Asp Asp
             20                  25                  30

Cys Gly Asn Asp Phe Gln Cys Ser Thr Gly Arg Cys Ile Lys Met Arg
             35                  40                  45

Leu Arg Cys Asn Gly Asp Asn Asp Cys Gly Asp Phe Ser Asp Glu Asp
         50                  55                  60

Asp Cys Glu Ser Glu Pro Arg Pro Pro Cys Arg Asp Arg Val Val Glu
 65                  70                  75                  80

Glu Ser Glu Leu Ala Leu Thr Ala Gly Tyr Gly Ile Asn Ile Leu Gly
                 85                  90                  95

Met Asp Pro Leu Ser Thr Pro Phe Asp Asn Glu Phe Tyr Asn Gly Leu
            100                 105                 110

Cys Asn Arg Asp Arg Asp Gly Asn Thr Leu Thr Tyr Tyr Arg Arg Pro
            115                 120                 125

Trp Asn Val Ala Ser Leu Ile Tyr Glu Thr Lys Gly Glu Lys Asn Phe
```

6083

```
          130                 135                 140

Xaa Thr Glu His Ser Xaa Asn Lys Leu Xaa His Leu Lys Val Ser
145                 150                 155
```

```
<210> 6865
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6865
Lys Asn Ser Ser Glu Gly Asn Lys His His Lys Ser Thr Pro Leu Leu
  1               5                  10                  15

Ile His Cys Arg Asp Gly Ser Gln Gln Thr Gly Ile Phe Cys Ala Leu
              20                  25                  30

Leu Asn Leu Leu Glu Ser Ala Glu Thr Glu Glu Val Val Asp Ile Phe
          35                  40                  45

Gln Val Val Lys Ala Leu Arg Lys Ala Arg Pro Gly Met Val Ser Thr
      50                  55                  60

Phe Glu Gln Tyr Gln Phe Leu Tyr Asp Arg His Cys Gln His Leu Pro
 65                  70                  75                  80

Cys Ser Glu Trp Thr Arg
                  85
```

```
<210> 6866
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6866
Ile Arg Val Asn Ala Val Asn Pro Thr Val Val Met Thr Ser Met Gly
  1               5                  10                  15

Gln Ala Thr Trp Ser Asp Pro His Lys Ala Lys Thr Met Leu Asn Arg
              20                  25                  30

Ile Pro Leu Gly Lys Phe Ala Glu Val Glu His Val Val Asn Gly Ile
          35                  40                  45

Leu Phe Leu Leu Ser
      50
```

6084

```
<210> 6867
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6867
Thr Met Xaa Phe Phe Lys Ile Leu Arg Gly Gln Asp His Cys Gly Xaa
 1               5                   10                  15

Glu Ser Glu Val Val Ala Gly Ile Pro Arg Thr Asp Gln Tyr Trp Glu
                20                  25                  30

Lys Ile



<210> 6868
<211> 78
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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6085

<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6868
His Ile Xaa Ala Pro Ala Ala Xaa Pro Lys Ala Thr Pro Ile Thr Thr
 1   5   10   15

Pro Trp Pro Gly Gly Asn Ala Tyr Ile Asp Asn Leu Xaa Ala Asp Gly
            20   25   30

Asp Leu Xaa Glu Arg Gly Ile Val Ala Thr Arg Thr Arg Xaa Pro Ser
        35   40   45

Gly Arg Xaa Pro Arg Xaa Thr Xaa Xaa Xaa Leu Thr Gln Ala Glu Val
    50   55   60

Val Ser Trp Leu Ala Lys Thr Gly Lys Phe Tyr Phe Asn Gly
 65   70   75

6086

```
<210> 6869
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6869
Lys Arg Gly His Tyr Gly Val Gln Arg Thr Glu Leu Leu Pro Gly Asp
 1               5                  10                  15

Arg Asp Asn Leu Ala Ile Gln Thr Arg Gly Gly Pro Glu Lys His Glu
            20                  25                  30

Val Thr Gly Trp Val Leu Val Ser Pro Leu Ser Lys Glu Asp Ala Gly
            35                  40                  45

Glu Tyr Glu Cys His Ala Ser Asn Ser Gln Gly Gln Ala Ser Ala Ser
        50                  55                  60

Ala Lys Ile Thr Val Val Asp Ala Leu His Glu Ile Pro Val Lys Lys
65                  70                  75                  80

Gly Glu Gly Ala Glu Leu
                85
```

```
<210> 6870
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (120)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (144)
<223> Xaa equals any of the naturally occurring L-amino acids
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6087

```
<220>
<221> SITE
<222> (150)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (154)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6870
Asp Arg Glu Gln Lys Ser Tyr Arg Gly His Ser Lys Gln Gln His His
 1               5                  10                  15

Val Thr Thr Lys Asp Leu His Leu Lys Leu Asn Thr Glu Cys Ser Ile
            20                  25                  30

Ser Thr Asp Ser Lys Gly Phe Pro Lys Asn Ile Thr Asn Asn Arg Gly
            35                  40                  45

Lys Lys Arg Tyr Pro Asp Ser Lys Asp Leu Thr Met Val Leu Lys Thr
    50                  55                  60

Tyr Asp Thr Ser Phe Leu Asp Phe Leu Gln Lys Val Phe Gly Met Gly
65                  70                  75                  80

Asn Leu Ser Leu Ser His Gly Pro Arg Asp Gln Ala Leu Gln Ala Trp
            85                  90                  95

Leu Gly Ile Pro Ser Val Phe Gly Asn Leu Gln Ala Thr Ala Gln Ala
            100                 105                 110

Pro Asp Pro Gly Gly Xaa Ser Xaa Phe Leu Phe Xaa Pro Leu Gly Asp
            115                 120                 125

Lys Gly Arg Asp Lys Val Ser Arg Val Val Ile His Ser Glu Gln Xaa
    130                 135                 140

Arg Gln Met Glu Ile Xaa Pro Lys Gly Xaa Pro Gly Glu Thr Lys
145                 150                 155


<210> 6871
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
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6088

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6871
```
Gly Xaa Trp Gly Ile Ser Pro Arg Gly Ala Gly Tyr Thr Phe Gly Gln
 1               5                   10                  15

Asp Ile Ser Glu Thr Phe Asn His Ala Asn Gly Leu Thr Leu Val Ser
             20                  25                  30

Arg Ala His Gln Leu Val Met Glu Gly Tyr Asn Trp Cys His Asp Arg
         35                  40                  45

Asn Val Val Thr Ile Phe Ser Ala Pro Asn Tyr Cys Tyr Arg Cys Gly
     50                  55                  60

Asn Gln Ala Ala Ile Met Glu Leu Asp Asp Thr Leu Lys Tyr Ser Phe
 65                  70                  75                  80

Leu Gln Phe Asp Pro Ala Pro Arg Arg Gly Glu Pro His Val Thr Arg
                 85                  90                  95

Xaa Thr Pro Asp Tyr Phe Leu
                 100
```

<210> 6872
<211> 64
<212> PRT
<213> Homo sapiens

<400> 6872
```
Tyr Ile Ala Ala Cys Leu Leu Leu Tyr Leu Ser Asp Thr Ile Ser Pro
 1               5                   10                  15

Glu Gln Ala Ile Asp Ser Leu Arg Asp Leu Arg Gly Ser Gly Ala Ile
             20                  25                  30

Gln Thr Ile Lys Gln Tyr Asn Tyr Leu His Glu Phe Arg Asp Lys Leu
         35                  40                  45

Ala Ala His Leu Ser Ser Arg Asp Ser Gln Ser Arg Ser Val Ser Arg
     50                  55                  60
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<210> 6873
<211> 90
<212> PRT
<213> Homo sapiens

<220>
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<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6873
Ile Thr His Gln Ile Arg Val Leu Arg Leu Thr Trp Val Leu Val Trp
 1               5                  10                  15

Asn Val Leu Leu Val Gln Trp Glu Arg Val Leu Lys Val Phe His Tyr
            20                  25                  30

Phe Glu Ser Asn Ser Glu Pro Thr Thr Trp Ala Ser Ile Xaa Arg His
            35                  40                  45

Gly Asp Ala Thr Asp Val Arg Gly Ile Ile Gln Lys Ile Val Asp Ser
        50                  55                  60

His Lys Xaa Lys His Cys Gly Leu Leu Trp Ile Pro Ala Ser Val Pro
 65                  70                  75                  80

Cys Xaa Gln Xaa Glu Gly Ser Leu Xaa Ser
                85                  90
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6090

<210> 6874
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6874
Arg Ser Phe Gln Glu Tyr Met Ala Gln Met Glu Lys Lys Leu Glu Glu
 1   5   10   15

Glu Arg Glu Asn Leu Leu Arg Glu His Glu Arg Leu Leu Lys His Lys
                20   25   30

Leu Lys Val Gln Glu Glu Met Leu Lys Glu Glu Phe Gln Lys Lys Ser
            35   40   45

Glu Gln Xaa Asn Lys Glu Ile Asn Gln Leu Lys Glu Lys Ile Glu Ser
    50   55   60

Thr Lys Asn Glu Gln Val Lys Ala Leu Lys Asp Pro
65   70   75

<210> 6875
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6875
Pro Arg Val Arg Leu Gly Phe Phe Glu Gly Ser Val Leu Phe Pro Glu
 1   5   10   15

Pro Leu Thr Trp Met Asp Lys Leu Val Val Glu Tyr Ala Asn Ala Ile
                20   25   30

Cys Gln Trp Glu Arg Asn Lys Leu Gln Cys Ser Asp Thr Glu Gln Val
            35   40   45

Glu Ala Asp Leu Glu
    50

<210> 6876
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6876
Gly Pro Ala Gln Ala Xaa Phe Lys Phe Pro Gly Arg Gln Lys Ile His
 1   5   10   15

Ile Ser Lys Lys Trp Gly Phe Thr Lys Phe Asn Ala Asp Glu Phe Glu
               20   25   30

Asp Met Val Ala Glu Lys Arg Xaa Ala Ser Gln Met Ala Val Gly Ser
           35   40   45

Ser Thr Ser Pro Val Val Gly Pro Leu Gly Gln Val Ala Gly Pro Ala
       50   55   60

Leu His Gly Gly Leu Ser Asn Val Leu Ala Pro Leu Leu Asn Thr Ser
 65   70   75   80

Pro Ile Lys Phe

<210> 6877
<211> 58
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

6092

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<220>
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<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6877
Ile Xaa Ser Glu Leu Tyr Val Arg Pro Asp Asp Val His Val Asn Ile
 1               5                  10                  15


Arg Leu Val Glu Leu Tyr Arg Ser Thr Lys Arg Leu Lys Asp Ala Val
            20                  25                  30


Ala His Cys His Glu Ala Arg Arg Asn Ile Ala Leu Xaa Xaa Lys Phe
            35                  40                  45


Arg Val Glu Phe Val Cys Cys Thr Asp Pro
        50                  55
```


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<210> 6878
<211> 83
<212> PRT
<213> Homo sapiens

<220>
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<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6878
Thr Gly Val Asp Ser Gly Gly Ala Ala Arg Arg Asp Met Arg Leu Ser
 1               5                  10                  15


Trp Phe Arg Val Leu Thr Val Leu Ser Ile Cys Leu Ser Ala Val Ala
            20                  25                  30


Thr Ala Thr Gly Ala Glu Gly Lys Arg Lys Leu Gln Ile Gly Val Lys
            35                  40                  45


Lys Arg Val Asp His Cys Pro Ile Lys Ser Arg Lys Gly Asp Val Leu
        50                  55                  60


His Met His Tyr Thr Gly Lys Leu Glu Xaa Gly Thr Xaa Phe Asp Ser
65              70                  75                  80
```

6093

Ser Leu Pro

<210> 6879
<211> 102
<212> PRT
<213> Homo sapiens

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6879
Gly Arg Asp Pro Val Arg Ala Pro Ala Pro Ser Asn Xaa Gly Gly Pro
 1               5                  10                  15

Glu Pro Xaa Trp Arg Ser Pro Xaa Pro Leu Ser Ala Ser Leu His Xaa
            20                  25                  30

Thr Ser Pro His Pro Xaa Gly Leu Trp Thr Thr Thr Xaa Xaa Arg Ala
            35                  40                  45

Xaa Ala Gly Arg Gly Gly Ala Xaa Gly Pro Xaa Gly Pro Xaa Xaa Gly
    50                  55                  60

Xaa Lys Ile Cys Gln Phe Lys Leu Xaa Leu Leu Gly Glu Ser Ser Val
65                  70                  75                  80

Gly Lys Ser Ser Leu Val Leu Arg Phe Phe Lys Gly Gln Phe Tyr Xaa
```

6095

```
              85                  90                  95

Tyr His Glu Ser Thr Ile
              100




<210> 6880
<211> 69
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6880
Ala Leu Glu Met Leu Leu Ala Ala Trp Gly Lys Ser Ser Leu Thr Ile
  1               5                  10                  15

Gln Phe Val Glu Gly Gln Phe Val Asp Ser Tyr Asp Pro Thr Ile Glu
              20                  25                  30

Asn Thr Phe Thr Lys Leu Ile Thr Val Lys Trp Thr Xaa Leu Ser Cys
              35                  40                  45

Xaa Thr Cys Arg His Ser Arg Ala Lys Met Asn Ile Leu Ser Phe Pro
      50                  55                  60

Ser Gly His Thr Pro
  65




<210> 6881
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

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6096

<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6881
Thr Leu Arg Pro Thr Gln Thr Xaa Asn Xaa Tyr Tyr Cys Ala Arg His
 1   5   10   15

Thr Asn Gln Xaa His Pro Xaa Tyr Arg Met Lys Arg Trp Ile Asp Pro
            20   25   30

Trp Gly Xaa Gly Thr Xaa Val Thr Asp Xaa Ser
            35   40

<210> 6882
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

6097

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<220>
<221> SITE
<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 6882
Arg Arg Ile Lys Asp Phe Leu Leu Thr Ala Arg Arg Lys Asp Ala Lys
 1               5                  10                  15


Ser Val Lys Ile Lys Lys Asn Lys Asp Asn Val Lys Phe Lys Val Arg
            20              25                  30


Cys Ser Arg Tyr Leu Tyr Thr Leu Val Xaa Thr Asp Lys Glu Lys Ala
        35                  40                  45


Xaa Lys Leu Lys Gln Ser Leu Pro Pro Arg Phe Ala Gln
    50                  55                  60



<210> 6883
<211> 103
<212> PRT
<213> Homo sapiens


<220>
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<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids


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<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids


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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids


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<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
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6098

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<221> SITE
<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
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<223> Xaa equals any of the naturally occurring L-amino acids


<220>
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<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 6883
Gln Asp Gln Gly Glu Lys Glu Asn Pro Met Arg Glu Leu Arg Ile Arg
 1               5                   10                  15

Lys Leu Cys Xaa Asn Ile Cys Val Gly Glu Ser Gly Xaa Arg Leu Thr
            20                  25                  30

Arg Ala Ala Lys Val Xaa Glu Gln Leu Thr Gly Gln Thr Xaa Val Xaa
            35                  40                  45

Ser Lys Ala Arg Tyr Thr Val Arg Ser Phe Gly Ile Arg Arg Asn Glu
        50                  55                  60

Lys Ile Ala Val His Cys Thr Val Leu Gly Ala Lys Ala Glu Glu Ile
    65                  70                  75                  80

Leu Glu Xaa Gly Leu Lys Val Arg Glu Tyr Xaa Leu Xaa Xaa Asn Asn
                85                  90                  95

Phe Ser Asp Xaa Gly Asn Phe
                100


<210> 6884
<211> 102
<212> PRT
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6099

<213> Homo sapiens

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (72)
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6884
Phe Ala Lys Met Thr Asn Thr Lys Gly Lys Arg Arg Gly Thr Arg Tyr
 1   5   10   15

Met Phe Ser Arg Pro Phe Xaa Lys His Gly Val Val Pro Leu Ala Thr
               20   25   30

Tyr Met Arg Ile Tyr Lys Lys Gly Asp Ile Val His Ile Lys Gly Met
               35   40   45

6100

```
Gly Thr Val Xaa Lys Gly Met Pro His Lys Cys Tyr His Gly Ile Thr
    50              55              60
```

```
Gly Xaa Val Tyr Xaa Val Thr Xaa Xaa Ala Val Gly Ile Val Val Asn
65              70              75              80
```

```
Lys Gln Val Xaa Gly Lys Ile Leu Ala Lys Arg Ile Asn Val Arg Ile
            85              90              95
```

```
Glu His Ile Xaa His Ser
            100
```

<210> 6885
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6885
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Xaa Pro Lys Ala Lys Lys Glu Ala Pro Ala Pro Pro Lys Ala Glu Ala
 1               5               10              15
```

```
Lys Ala Lys Ala Leu Lys Ala Lys Lys Ala Val Leu Lys Gly Val His
            20              25              30
```

```
Ser His Lys Lys Lys Lys Ile Arg Thr Ser Pro Thr Phe Arg Arg Pro
        35              40              45
```

```
Lys Thr Leu Arg Leu Arg Arg Gln Pro Lys Tyr Pro Arg Lys Ser Ala
    50              55              60
```

```
Pro Arg Arg Asn Lys Leu Asp His Tyr Ala Ile Ile Lys Phe Pro Leu
65              70              75              80
```

```
Thr Thr Glu Ser Ala Met Lys Lys Ile Glu Asp Asn Asn Thr Leu Val
            85              90              95
```

```
Phe Ile Val Asp Val Lys Ala Asn Lys His Gln Ile Lys Gln Ala Val
            100             105             110
```

```
Lys Lys Leu Tyr Asp Ile Asp Val Ala Lys Val Asn Thr Leu Ile Arg
            115             120             125
```

```
Pro Asp Gly Glu Lys Lys Ala Tyr Val Arg Leu Ala Pro Asp Tyr Asp
```

6101

```
           130                    135                    140

Ala Leu Asp Val Ala Asn Lys Ile Gly Ile Ile
145                 150                 155



<210> 6886
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6886
Asn Leu Gly Xaa Trp Cys Leu Ser Trp Leu Gly Arg Tyr Ser Gly Arg
 1               5                  10                  15

Lys Xaa Val Ile Val Lys Xaa Xaa Asp Asp Gly Thr Ser Xaa Arg Pro
            20                  25                  30

Tyr Ser His Ala Leu
            35



<210> 6887
<211> 143
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6102

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (136)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (138)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6887
Met Ile Thr Pro Phe Leu Ile Arg Leu Xaa Ile Gly Lys Ala Gly Thr
 1   5   10   15

Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Val
             20   25   30

Ala Ala Ala Glu Gly Ala Ala Ala Met Ser Ala His Leu Gln Trp Met
         35   40   45

Val Val Arg Asn Cys Ser Ser Phe Leu Ile Lys Arg Asn Lys Gln Thr
     50   55   60

Tyr Ser Thr Glu Pro Asn Asn Leu Lys Ala Arg Asn Ser Phe Arg Tyr
 65   70   75   80

Asn Gly Leu Ile His Arg Lys Thr Val Gly Trp Ser Arg Gln Pro Thr
                 85   90   95

Gln Ser Ser Gly Gly Ser Leu Thr Glu Ser Gly Thr Glu Pro Ala Thr
             100   105   110

Pro Met Cys Asp Thr Ser Thr Asp Val Arg Pro Ser His Ser Thr Tyr
             115   120   125

Pro Lys His Thr Pro Leu Pro Xaa His Xaa Ala Xaa Ser Pro Gln
         130   135   140

6103

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<210> 6888
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6888
His Glu Arg Lys Glu Gly Xaa Arg Xaa Xaa Xaa Arg Xaa Phe Xaa His
 1   5   10   15

Gln Arg Met Ile Thr Arg Glu Tyr Xaa Ile Asn Ile His Asn Arg Ile
            20   25   30

His Xaa Val Gly Phe Lys Xaa Arg Ala Pro Arg Ala Leu Xaa
        35   40   45

<210> 6889
<211> 159
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6889
Xaa Xaa Thr Xaa Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
 1   5   10   15

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
            20   25   30

Ser Ala Arg Gly Cys Leu Gln Ala Leu Arg Met Val Gln Arg Leu Thr
        35   40   45

Tyr Arg Arg Arg Leu Ser Tyr Asn Thr Ala Ser Asn Lys Thr Arg Leu
    50   55   60

6105

```
Ser Arg Thr Pro Gly Asn Arg Ile Val Tyr Leu Tyr Thr Lys Lys Val
65                  70              75              80

Gly Lys Ala Pro Lys Ser Ala Cys Gly Val Cys Pro Gly Arg Leu Arg
                85              90              95

Gly Val Arg Ala Val Arg Pro Lys Val Leu Met Arg Leu Ser Lys Thr
            100             105             110

Lys Lys His Val Ser Arg Ala Tyr Gly Gly Ser Met Cys Ala Lys Cys
        115             120             125

Val Arg Asp Arg Ile Lys Arg Ala Phe Leu Ile Glu Glu Gln Lys Ile
        130             135             140

Val Val Lys Val Leu Lys Ala Gln Ala Gln Ser Gln Lys Ala Lys
145             150             155
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<210> 6890
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6890
Cys Thr Ala Thr Leu Gly Xaa Phe Ala Lys Ala Thr Phe Asp Ala Ile
  1           5               10              15

Ser Lys Thr Tyr Ser Tyr Leu Thr Pro Asp Leu Trp Lys Glu Thr Val
            20              25              30

Phe Thr Lys Ser Pro Tyr Gln Glu Phe Thr Asp His Leu Val Xaa Thr
            35              40              45

His Thr Arg Val Ser Val Gln Arg Thr Gln Ala Pro Ala Val Ala Thr
        50              55              60

Thr
65
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6106

<210> 6891
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6891
Val Xaa Ala Ser Lys Met Thr Lys Lys Arg Arg Asn Asn Gly Arg Ala
 1   5   10   15

Lys Lys Gly Arg Gly His Val Gln Pro Ile Arg Cys Thr Asn Cys Ala
            20   25   30

Arg Cys Val Pro Lys Asp Lys Ala Ile Lys Lys Phe Val Ile Arg Asn
        35   40   45

Ile Val Glu Ala Ala Ala Val Arg Asp Ile Ser Glu Ala Ser Val Phe
    50   55   60

Asp Ala Tyr Val Leu Pro Lys Leu Tyr Val Lys Leu His Tyr Cys Val
65   70   75   80

Ser Cys Ala Ile His Ser Lys Val Val Arg Asn Arg Ser Arg Glu Ala
            85   90   95

Arg Lys Asp Arg Thr Pro Pro Pro Arg Phe Arg Pro Ala Gly Ala Ala
            100   105   110

Pro Arg Pro Pro Pro Lys Pro Met
            115   120
)

<210> 6892
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

6107

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<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6892
Gly His His Gln Leu Xaa Trp Asn His Pro Arg Xaa Tyr Gly His Gly
 1               5               10              15

Xaa Arg Ser Cys Arg Val Cys Ser Asn Arg His Gly Leu Ile Arg Lys
            20              25              30

Tyr Gly Leu Asn Met Cys Arg Gln Cys Phe Arg Gln Tyr Ala Lys Asp
        35              40              45

Ile Gly Phe Ile Lys Leu Asp Xaa Met Leu Phe Leu His Arg Ile Ile
    50              55              60

Arg Gly Ile Tyr Ser Met Lys Asn His Asp Asn Ser Leu Tyr Ile Lys
 65              70              75              80


<210> 6893
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6893
Ala Ser Glu Ala Phe Ser Cys Phe Lys Met Lys Leu Asn Ile Ser Phe
 1               5               10              15

Pro Ala Thr Gly Cys Gln Lys Leu Ile Glu Val Asp Asp Glu Arg Lys
            20              25              30
```

6108

Leu Arg Thr Phe Tyr Glu Lys Arg Met Ala Thr Glu Val Ala Ala Asp
        35   40   45

Ala Leu Gly Glu Glu Trp Lys Gly Tyr Val Val Arg Ile Xaa Gly Gly
        50   55   60

Asn Asp Lys Gln Gly Phe Pro Met Lys Gln Gly Val Leu Thr His Gly
65   70   75   80

Arg Val Arg Cys Tyr
                85

<210> 6894
<211> 98
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6894
Phe Gly Arg Gly His Arg Thr Gln Lys Glu Ile Glu Gln Glu Ala Ala
 1   5   10   15

Val Glu Leu Ser Gln Leu Arg Asp Pro Gln His Asp Leu Asp Arg Val
            20   25   30

Lys Lys Pro Glu Trp Val Ile Leu Ile Gly Val Cys Thr Xaa Ser Trp
        35   40   45

Ala Val Tyr Pro Leu Ala Asn Ala Gly Arg Ile Leu Val Val Ile Thr
        50   55   60

Ala Leu Ala Met Gly His Thr Tyr Asp Ala Ser Gly Gln Asp Pro Asp
65   70   75   80

Trp Val Leu Leu Leu Phe Asn Leu Glu Val Pro His Gly Ile Glu Phe
                85   90   95

His Gln

<210> 6895
<211> 40
<212> PRT

<213> Homo sapiens

<400> 6895
Ser Ser Gly Leu Ser Ser Ala Ser Leu Ser Val Lys Ala Ile Lys Glu
1   5   10   15

Ala Ile Asp Tyr Leu Thr Val Glu Gly His Ile Tyr Pro Thr Val Asp
                20   25   30

Arg Glu His Phe Lys Ser Ala Asp
            35   40

<210> 6896
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6896
Ala Gln Ala Ser Arg Ser Arg Trp Glu Leu Pro Pro Gly Ala Val Thr
    1   5   10   15

Met Thr Gly Glu Leu Glu Val Lys Asn Met Asp Met Lys Pro Gly Ser
                20   25   30

Thr Leu Lys Ile Thr Gly Xaa Ile Ala Asp Gly Thr Asp Gly Phe Val
            35   40   45

Ile Asn Leu Gly Gln Gly Thr Asp Lys Leu Asn Leu His Phe Asn Pro
    50   55   60

Arg Phe Ser Glu Ser Thr Ile Val Cys Asn Ser Leu Asp Gly Ser Asn
65   70   75   80

Trp Gly Gln Glu Gln Arg Glu Asp His Leu Cys Phe Ser Pro Arg Ser
                85   90   95

Glu Val Lys Phe Thr Val Thr Phe
                100

<210> 6897
<211> 91
<212> PRT

6110

<213> Homo sapiens

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6897
Arg Gln Phe Met Gly Met Ile Ile Asp Val Phe Ser Arg Tyr Ser Gly
 1   5   10   15

Ser Glu Gly Ser Thr Gln Thr Leu Thr Lys Gly Glu Leu Lys Val Leu
            20   25   30

Met Glu Lys Glu Leu Pro Gly Phe Leu Gln Ser Gly Lys Asp Lys Asp
            35   40   45

Ala Val Asp Lys Leu Leu Lys Asp Leu Asp Ala Asn Gly Asp Ala Gln
        50   55   60

Val Asp Phe Ser Glu Phe Ile Val Phe Val Ala Ala Ile Thr Ser Ala
    65   70   75   80

Cys His Lys Tyr Phe Xaa Lys Ala Gly Leu Lys
                85   90

<210> 6898
<211> 158
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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6112

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<400> 6898
Gly Thr Ser Gly Asn Phe Lys Gly Met Lys Ile Lys Pro Gly Ser Met
 1   5   10   15

Gly Lys Pro Ser Pro Ala Phe Asp Val Lys Xaa Val Asp Val Asn Gly
            20   25   30

Asn Val Leu Pro Pro Gly Gln Glu Gly Asp Ile Gly Ile Gln Val Leu
            35   40   45

Pro Asn Arg Pro Phe Gly Leu Phe Thr His Tyr Val Asp Asn Pro Ser
        50   55   60

Lys Thr Ala Ser Thr Leu Arg Gly Asn Ser Ile Ser Leu Gly Thr Glu
65   70   75   80

Asp Ile Trp Ile Lys Met Gly Ile Ser Xaa Xaa Phe Ala Xaa Ala Asp
                85   90   95

Val Gly Xaa Tyr Xaa Leu Val Xaa Asp Leu Ala Pro Leu Gly Gly Lys
            100   105   110

Ser Pro Ile Xaa Thr Pro Xaa Phe Arg Val Pro Phe Phe Lys Xaa Pro
        115   120   125

Thr Pro Ser Arg Gly Xaa Val Lys Val Xaa Gly Phe Lys Thr Xaa Phe
    130   135   140

Xaa Xaa Xaa Phe Arg Ala Pro Phe Lys Gly Phe Arg Gly Phe
145   150   155

<210> 6899
<211> 109
<212> PRT
<213> Homo sapiens

<220>
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<222> (4)
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6114

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6899
Val Lys Phe Xaa Val Ala Glu Gly Lys Gln Xaa Glu Ile Gln His Lys
 1   5   10   15

Gly Gln Ala Glu Lys Lys Glu Leu Gln His Lys Ile Asp Glu Met Glu
              20   25   30

Glu Lys Glu Gln Glu Leu Gln Ala Lys Ile Glu Ala Leu Gln Ala Asp
          35   40   45

Asn Asp Phe Thr Asn Glu Arg Leu Thr Ala Leu Gln Glu Lys Leu Thr
      50   55   60

Val Glu Xaa His Xaa Thr Lys Ala Val Glu Glu Thr Lys Leu Ser Lys
65   70   75   80

Glu Asn Xaa Thr Xaa Xaa Lys Glu Ser Asp Phe Ser Asp Thr Leu Xaa
              85   90   95

Pro Xaa Lys Glu Asn Xaa Lys Xaa Arg Ala Val Ala Leu
          100   105

<210> 6900
<211> 92
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>
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6115

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<220>
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<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6900
Tyr Phe Xaa Xaa Trp Ser Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly
 1           5               10              15


Ser Ile Xaa Arg Val Leu Glu Met Thr Pro Gln Gln Gly Asp Val Tyr
         20              25              30


Xaa Xaa Gln Val Glu His Thr Ser Leu Asp Ser Pro Val Thr Val Glu
         35              40              45


Trp Lys Ala Gln Ser Asp Ser Ala Arg Ser Lys Thr Leu Thr Gly Ala
    50              55              60


Gly Gly Phe Val Leu Gly Leu Ile Ile Cys Gly Val Gly Xaa Phe Met
65              70              75              80


His Arg Arg Asn Lys Lys Val Gln Arg Gly Ser Ala
             85              90
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<210> 6901
<211> 31
<212> PRT
<213> Homo sapiens

<220>
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<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6901
Ile Arg Xaa Arg Asn Arg Gly Cys Cys Phe Asp Ser Arg Ile Pro Gly
 1           5               10              15


Xaa Pro Trp Cys Phe Lys Pro Leu Gln Glu Ala Glu Cys Thr Phe
```

6116

20   25   30

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<210> 6902
<211> 55
<212> PRT
<213> Homo sapiens

<400> 6902
Gly Thr Ala Thr Gln Gly Leu Ser Pro Val His Thr Pro Gly Asp Gly
  1               5                  10                  15

Arg Leu His Lys Ala Val Ser Val Gly Pro Arg Val His Ile Ile Glu
             20                  25                  30

Glu Leu Gln Ile Phe Ser Ser Gly Gln Pro Val Ala Glu Ser Ala Pro
             35                  40                  45

Gly Thr Pro Thr Gly Gly Leu
         50                  55


<210> 6903
<211> 134
<212> PRT
<213> Homo sapiens

<220>
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<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6903
Gly Tyr Gln Pro Glu Asn Pro Tyr Pro Ala Gln Pro Thr Val Val Pro
  1   5   10   15

Thr Val Tyr Xaa Val His Pro Ala Gln Tyr Tyr Pro Ser Pro Val Pro
            20   25   30

Gln Tyr Xaa Pro Arg Val Leu Thr Gln Ala Ser Asn Pro Val Val Cys
        35   40   45

Thr Gln Ala Lys Ser Pro Ser Gly Thr Val Cys Thr Ser Lys Thr Lys
    50   55   60

Lys Ala Leu Cys Ile Thr Leu Thr Trp Gly Leu Pro Pro Gly Asn Cys
65   70   75   80

Ala Gly Arg Trp Pro Thr Leu Glu Ile His Gly Gln Gln Met Leu Gln
            85   90   95

Leu Trp Asp Arg Met Arg Ile Leu Lys Phe Cys Ile Asn Pro Xaa Thr
            100   105   110

Gly Val Ile Ala Xaa Gln Leu Pro Xaa Gly Glu Glu Lys Asn Xaa Cys
        115   120   125

Ser Xaa Phe Gln Thr Ser
    130

<210> 6904
<211> 51
<212> PRT
<213> Homo sapiens

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6118

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<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6904
Pro Gln Xaa Ser Leu Xaa Gly Thr Pro Thr Glu Glu Thr Trp Pro Gly
 1   5   10   15

Val Thr Arg Ile Ser Glu Xaa Arg Thr Tyr Ser Phe Pro Cys Tyr Leu
            20   25   30

Pro Gln Pro Ala His Gln Pro Arg Arg Pro Gly Xaa Ile Arg Met Ala
            35   40   45

Ser Thr Ser
        50

<210> 6905
<211> 89
<212> PRT
<213> Homo sapiens

<400> 6905
His Gly Asn Val Pro Leu His Tyr Ala Cys Phe Trp Gly Gln Asp Gln
 1   5   10   15

Val Ala Glu Asp Leu Val Ala Asn Gly Ala Leu Val Ser Ile Cys Asn
            20   25   30

Lys Tyr Gly Glu Met Pro Val Asp Lys Ala Lys Ala Pro Leu Arg Glu
            35   40   45

Leu Leu Arg Glu Arg Ala Glu Lys Met Gly Gln Asn Leu Asn Arg Ile
    50   55   60

Pro Tyr Lys Asp Thr Phe Trp Lys Gly Thr Thr Arg Thr Arg Pro Arg

65	70	75	80

Glu Ser Pro Leu Trp Glu Glu Gly Leu
                85

<210> 6906
<211> 111
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (28)
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6120

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<220>
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<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6906
Cys Ser Xaa Thr Ile Gly Glu Lys Xaa Xaa Gln Lys Glu Pro Xaa Gly
 1           5                   10                  15

Xaa Asp Xaa Ser Val Pro Glu Asn Val Leu Ser Xaa Asp Asp Leu Thr
          20                  25                  30

Ala Asp Ala Leu Ala Asn Leu Xaa Xaa Pro Gln Ile Lys Lys Val Arg
          35                  40                  45

Leu Leu Ile Asp Glu Ala Ile Leu Lys Cys Asp Ala Glu Gly Xaa Lys
          50                  55                  60

Leu Glu Ala Glu Arg Phe Glu Asn Leu Arg Glu Ile Gly Asn Leu Leu
 65                  70                  75                  80

His Pro Ser Val Pro Ile Ser Asn Asp Glu Val Gly Gly Cys Ala Ala
               85                  90                  95

Ala Gly Gly Cys Leu Arg Ser Leu Leu Ser Leu Gln Gly Arg Gly
              100                 105                 110


<210> 6907
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6121

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<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6907
Cys Val Ala Gly Xaa Asp Glu Gln Ser Thr Gln Met Ala Ala Arg Xaa
 1               5                  10                  15

Glu Asp Asp Lys Val Thr Glu Ala Ser Ser Asn Arg Xaa Ala Ala Ile
            20                  25                  30

Lys Ile Xaa Thr Lys Ser
            35
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<210> 6908
<211> 137
<212> PRT
<213> Homo sapiens

<400> 6908
Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Arg
 1               5                  10                  15

Ser Pro Ala Lys Thr Ile Ala Pro Gln Asn Ala Pro Arg Asp Glu Ser
            20                  25                  30

Arg Gly Arg Ser Ser Phe Tyr Pro Asp Gly Gly Asp Gln Glu Thr Ala
            35                  40                  45

Lys Thr Gly Lys Phe Leu Lys Arg Phe Thr Asp Glu Glu Ser Arg Val
    50                  55                  60

Phe Leu Leu Asp Arg Gly Asn Thr Arg Asp Lys Glu Ala Ser Lys Glu
 65                  70                  75                  80

Lys Gly Ser Glu Lys Gly Arg Ala Glu Gly Glu Trp Glu Asp Gln Glu
                85                  90                  95

Ala Leu Asp Tyr Phe Ser Asp Lys Glu Ser Gly Lys Gln Lys Phe Asn
                100                 105                 110

Asp Ser Glu Gly Asp Asp Thr Glu Glu Thr Glu Asp Tyr Arg Gln Phe
                115                 120                 125
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6122

```
Arg Lys Ser Ser Pro Arg Arg Ser Gly
    130                 135



<210> 6909
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6909
Pro Val Ser Gly Val Pro Arg Arg Xaa Xaa Arg Ile Ala Gly Lys Arg
  1               5                 10                15

Val Cys Xaa Met Glu Ser Gly Xaa Ala Gly Cys Phe Ser Pro Lys Ile
            20                25                30

Xaa



<210> 6910
<211> 112
<212> PRT
<213> Homo sapiens
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6123

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6910
Xaa Thr Xaa Xaa Ser Cys Arg Tyr Leu Gly Gln Glu Xaa Pro Gly Arg
  1   5   10   15

Pro Thr Arg Pro Met Ala Glu Tyr Asp Leu Thr Thr Xaa Ile Ala His
             20   25   30

Phe Leu Asp Arg His Leu Val Phe Pro Leu Leu Glu Phe Leu Ser Val
         35   40   45

Lys Glu Ile Tyr Asn Glu Lys Glu Leu Leu Gln Gly Lys Leu Asp Leu
      50   55   60

Leu Ser Asp Thr Asn Met Val Asp Phe Ala Met Asp Val Tyr Lys Asn
  65   70   75   80

Leu Tyr Ser Asp Asp Ile Pro His Ala Leu Arg Glu Lys Arg Thr Thr
              85   90   95

Val Val Ala Gln Leu Lys Gln Ala Ser Gly Xaa Asn Gln Asn Gln Leu

6124

                    100   105   110


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<210> 6911
<211> 114
<212> PRT
<213> Homo sapiens

<220>
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<222> (102)
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<222> (109)
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<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6911
Asn Tyr Glu Thr Ile Glu Gln Lys Lys Ala Tyr Glu Ile Ala Gly Leu
 1               5                  10                  15

Leu Gly Asp Ile Gly Gly Gln Met Gly Leu Phe Ile Gly Ala Ser Ile
            20                  25                  30

Leu Thr Val Leu Glu Leu Phe Asp Tyr Ala Tyr Glu Val Ile Lys His
        35                  40                  45

Lys Leu Cys Arg Arg Gly Lys Cys Gln Lys Glu Ala Lys Arg Ser Ser
    50                  55                  60

Ala Asp Lys Gly Val Ala Leu Thr Trp Thr Thr Ser Lys Asp Thr Thr
65                  70                  75                  80

Arg Cys Glu Asn Leu Arg Gly His Pro Ala Gly Met Thr Tyr Ala Trp
                85                  90                  95
```

6125

```
Gln His Ser Thr Leu Xaa Ile Arg Ala Glu Gly Leu Xaa Arg Xaa Leu
            100                 105                 110

Leu Xaa
```

<210> 6912
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6912
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Tyr Tyr Asn Gly Ala Ala Val Ile Xaa His Glu Arg Val Gln Lys Thr
  1               5                  10                  15
```

6126

```
Phe Pro His Pro Ile Asp Lys Trp Ala Xaa Ala Asp Ala Gln Ser Ala
        20              25              30

Ile Glu Lys Gln Lys Arg Arg Asn Pro Leu Leu Leu Pro Val Asp Xaa
        35              40              45

Ile His Pro Ser Xaa Xaa Glu Leu Leu Gly Tyr Lys Met Arg Leu Pro
    50              55              60

Cys Ile Pro Ile Xaa Cys Gly Cys Thr Thr Xaa Tyr Leu Ser Leu Ile
65              70              75              80

Phe
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<210> 6913
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
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<220>
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<222> (10)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6913
Xaa Ser Gly Tyr Tyr Pro Gly Gly Tyr Xaa Gly Ala Pro Gly Trp Pro
1               5               10              15
```

6127

Ala Phe Pro Arg His Pro Leu Asp Pro Leu Phe Gly Xaa Phe Ala Ala
            20   25   30

Val Ala Gly Gln Asp Gly Pro Ile Asp Ala Asp Glu Phe Leu Xaa Cys
            35   40   45

Xaa Thr
    50

<210> 6914
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
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<222> (75)
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<220>
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6128

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<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 6914
Arg Gly Cys Leu Gly Leu Gly Cys Pro Leu His Leu His Val Phe Ala
 1               5                  10                  15

Xaa Val Ser Ala Met Leu Pro Leu Leu Arg Cys Val Pro Arg Val Leu
            20                  25                  30

Gly Ser Ser Val Ala Gly Leu Arg Ala Ala Ala Pro Ala Ser Pro Phe
            35                  40                  45

Arg Gln Leu Leu Gln Pro Ala Pro Arg Leu Cys Thr Arg Pro Phe Gly
        50                  55                  60

Leu Leu Ser Val Arg Ala Gly Ser Glu Arg Xaa Pro Gly Leu Xaa Arg
 65              70                  75                  80

Xaa Arg Gly Pro Cys Ala Xaa Gly Cys Gly Cys Gly Ser Leu Xaa Thr
            85                  90                  95

Xaa Gly Asp Lys Ala Phe Val Asp Tyr Leu Ser Asp Glu Ile Xaa Glu
            100                 105                 110

Glu Arg Lys Ile Xaa Lys His Lys Thr Leu Pro Lys Met
            115                 120                 125


<210> 6915
<211> 124
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
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6129

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6915

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Glu Lys Leu Ile Xaa Pro Arg Thr Lys Ala Ile Ile Pro Val Asp Ile
  1           5                  10                  15

Gly Gly Phe Pro Ala Asp Tyr Ser Glu Ile Leu Asp Leu Val Glu Arg
            20                  25                  30

Lys Lys Asp Ile Phe Asn Pro Lys Lys Gly Thr Tyr Gln Glu Lys Leu
            35                  40                  45

Gly Arg Ile Leu Val Leu Ala Asp Ser Ala His Ser Phe Gly Ser Ser
        50                  55                  60

Tyr Lys Gly Lys Lys Ile Gly Ser Val Ala Asp Val Thr Ser Phe Ser
 65                  70                  75                  80

Phe His Ala Ile Lys Asn Leu Thr Thr Ala Glu Gly Gly Ala Leu Thr
                85                  90                  95

Trp Asn Leu Pro Asn Asn Phe Asp Asn Glu Gln Ile Tyr Lys Glu Leu
            100                 105                 110

Met Leu Xaa Ala Leu His Gly Lys Ile Arg Met His
            115                 120
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<210> 6916
<211> 123
<212> PRT
<213> Homo sapiens

<220>
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<222> (83)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<221> SITE

6130

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<222> (112)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6916
Met Phe His Phe Ser Lys Leu Asp Leu Glu Thr Leu Ile Ile Phe Leu
 1               5                   10                  15

Ile Trp Lys Arg Gln Pro Lys Lys Cys Thr Ser Ala Tyr Pro Leu Gln
             20                  25                  30

Pro Glu Asp Val Asn Leu Arg Val Ile Ser Glu Tyr Gln Lys Leu Phe
         35                  40                  45

Pro Asp Ile Pro Ile Gly Tyr Ser Gly His Glu Thr Gly Ile Ala Ile
     50                  55                  60

Ser Val Ala Ala Val Ala Leu Gly Ala Lys Val Leu Glu Arg His Ile
 65                  70                  75                  80

Thr Leu Xaa Lys Thr Trp Xaa Gly Ser Asp His Ser Asp Ser Leu Glu
             85                  90                  95

Pro Gly Glu Leu Gly Glu Ala Gly Ala Val Ser Ala Ser Cys Xaa Xaa
             100                 105                 110

Val Pro Trp Ala Pro Gln Ala Lys Xaa Leu Thr
         115                 120


<210> 6917
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6917
Gly Ser Leu Gln Ser Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr
 1               5                  10                  15

Ser Leu Trp Tyr Thr Phe Gly Gln Gly Thr Asn Leu Glu Ile Lys Arg
             20                  25                  30

Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Lys Thr
             35                  40                  45

Ile Xaa Xaa Xaa Xaa Xaa
         50




<210> 6918
<211> 102
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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6132

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<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (89)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6918
Ser Ser Asp Ile Met Glu Ser Gly Lys Thr Ala Ser Pro Lys Ser Met
 1               5                  10                  15

Pro Lys Asp Ala Gln Xaa Met Ala Gln Ile Leu Lys Asp Met Gly Ile
            20              25                  30

Thr Glu Tyr Glu Pro Arg Val Ile Asn Gln Xaa Leu Glu Phe Ala Phe
        35                  40                  45

Arg Tyr Val Thr Thr Ile Leu Asp Asp Ala Lys Ile Tyr Ser Ser His
    50                  55                  60

Ala Lys Lys Thr Ser Val Asp Ala Xaa Tyr Val Arg Trp His Pro Xaa
65                  70                  75                  80

Pro Pro Asp His Leu Leu Leu Ser Xaa Pro Lys Ile Phe Leu Xaa Leu
            85                  90                  95

Gln Ala Lys Ser Xaa Leu
            100


<210> 6919
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6919
Val Met Ser His Arg Lys Phe Ser Ala Pro Arg His Gly Ser Leu Gly
 1   5   10   15

Phe Leu Pro Arg Lys Arg Ser Ser Arg His Arg Gly Lys Val Lys Ser
            20   25   30

Phe Pro Lys Asp Asp Pro Ser Lys Pro Val His Leu Thr Ala Phe Leu
            35   40   45

Gly Tyr Lys Ala Gly Met Thr His Ile Xaa Arg Glu Phe Xaa Xaa Ala
     50   55   60

Gly Ser Lys Val Asn Lys Arg Val Val
 65   70

<210> 6920
<211> 117
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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6134

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<222> (109)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (116)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6920
Ser Leu Gln Arg Pro Thr Xaa Asn Xaa Xaa Leu Arg Thr Ile Val Lys
 1               5               10                  15

Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr
            20              25                  30

Arg Pro Trp Thr Ala Asp Glu Gly Val Phe Asp Asn Phe Val Leu Lys
            35              40                  45

Ile Arg Asp Thr Lys Lys Gln Ser Glu Pro Leu Glu Ile Thr Leu Leu
        50              55              60

Ala Pro Glu Arg Thr Arg Asp Ile Thr Gly Leu Arg Glu Ala Thr Glu
65              70              75                  80

Tyr Glu Ile Glu Leu Tyr Gly Ile Ser Lys Gly Arg Arg Ser Gln Thr
                85              90                  95

Val Cys Ser Leu Leu Phe Ile Tyr Ser Ile Cys Cys Xaa Tyr Xaa Thr
            100             105                 110

Xaa Xaa Phe Xaa Ile
        115


<210> 6921
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<211> 131
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (102)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (117)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (131)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6921
Xaa Ser Gly Leu Xaa Ile Gly Xaa Ala Gly Thr Pro Ala Gly Thr Gly
 1   5   10   15

Pro Glu Phe Pro Gly Arg Xaa Thr Arg Pro Arg Thr Arg Gly Pro Ser
           20   25   30

Leu Gly Arg His Pro Gly Ala His Gln Gly Asn Leu Ala Phe Gly Leu
           35   40   45

His Ser Asn Xaa Ile Ala Ser Pro Gly Ser Pro Ser Leu Gly Arg His
       50   55   60

Leu Gly Gly Thr Gly Ser Xaa Val Pro Gly Xaa Pro Cys Leu Asp Arg
65   70   75   80

His Val Ala Tyr Gly Gly Tyr Xaa Thr Xaa Glu Asp Arg Arg Pro Thr
           85   90   95

Leu Ser Xaa Lys Ser Xaa Ala Tyr Gly Tyr Gln Ala Pro Ser Thr Pro
           100   105   110

Ser Leu Pro Val Xaa Pro Ala Tyr Tyr Pro Gly Leu Xaa Ser Pro Asp
           115   120   125

Thr Tyr Xaa
       130

6137

<210> 6922
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6922
Val Glu Ala Thr Cys Ala Cys Leu Leu Ala Gln Gly Glu Glu Ala Glu
 1   5   10   15

Lys Glu His Cys Ser Lys Cys Leu Ala Glu Gln Met Ile Leu Glu Glu
            20   25   30

Phe Gly Arg Cys Leu Ser Gln Ile Leu His Thr Glu Phe Lys Ser Lys
        35   40   45

Gly Leu Lys Met Glu
     50

<210> 6923
<211> 120
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6923
Ile Val Thr Val Gly Gly Glu Glu Arg Val Ser Arg Lys Pro Thr Ala
 1   5   10   15

Ala Met Arg Cys Met Cys Pro Leu Tyr Asp Pro Asn Arg Gln Leu Trp
            20   25   30

Xaa Glu Leu Ala Pro Leu Ser Met Pro Arg Ile Asn His Gly Val Leu
        35   40   45

Ser Ala Glu Gly Phe Leu Phe Val Phe Gly Gly Gln Asp Glu Asn Lys
     50   55   60

Gln Thr Leu Ser Ser Gly Glu Lys Tyr Asp Pro Asp Ala Asn Thr Trp
 65   70   75   80

Thr Ala Leu Pro Pro Met Asn Glu Ala Arg His Asn Phe Gly Ile Val
            85   90   95

6138

```
Glu Ile Asp Gly Met Leu Tyr Ile Leu Gly Gly Glu Asp Gly Glu Lys
            100                 105             110

Glu Leu Ile Ser Met Glu Cys Tyr
            115             120
```

<210> 6924
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6924
```
Ser Arg Ser Pro Glu Leu Arg Thr Ala Cys Leu Gln Pro Ser Ser Ile
  1             5                 10                  15

Glu Ile Leu Glu Tyr Ser Ser Asp Ser Glu Lys Glu Asp Asp Leu Glu
            20                  25                  30

Asn Val Leu Leu Ile Xaa Ser Glu Pro Pro His
            35                  40
```

<210> 6925
<211> 126
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (118)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6925

6139

```
Pro Thr Ser Asp Pro Pro Leu Gly Ser Ser Pro Leu Gly Arg Arg Phe
 1           5               10              15
```

```
Arg Val Leu Ser Ser Leu Arg Arg Ser Pro Met Phe Glu Glu Lys Ala
            20              25              30
```

```
Ser Ser Pro Ser Gly Lys Met Gly Gly Glu Glu Lys Pro Ile Gly Ala
        35              40              45
```

```
Gly Glu Glu Lys Gln Lys Glu Gly Gly Lys Lys Lys Asn Lys Glu Gly
    50              55              60
```

```
Ser Gly Asp Gly Gly Arg Ala Glu Leu Asn Pro Trp Pro Glu Tyr Ile
65              70              75              80
```

```
Tyr Thr Arg Leu Glu Met Tyr Asn Ile Leu Lys Ala Glu His Asp Ser
            85              90              95
```

```
Ile Leu Ala Glu Lys Lys Lys Lys Arg Ala Xaa Ala Leu Glu Asp Pro
            100             105             110
```

```
Lys Leu Thr Tyr Ala Xaa Met Arg Xaa His Lys Phe Phe Tyr
        115             120             125
```

<210> 6926
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6926
```
Val Pro Val Xaa Asn Ser Arg Val Asp Pro Arg Val Arg Ile Pro Ser
 1           5               10              15
```

```
Arg Thr Val Asn Arg Lys Ser Thr Asp Ser Pro Val Glu Cys Met Gly
            20              25              30
```

```
Gln Glu Lys Gly Glu Phe Arg Glu Ile Phe Tyr Ile Ile Gly Ala Val
            35              40              45
```

```
Val Phe Val Val Ile Ile Leu Val Ile Ile Leu Ala Ile Ser Leu His
        50              55              60
```

```
Lys Cys Arg Lys Ala Gly Val Gly Gln Ser Trp Lys Glu Asn Ser Pro
65              70              75              80
```

Leu Asn Val Ser

<210> 6927
<211> 37
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6927
Val Xaa Ser Glu Tyr Pro Ser Ile Lys Leu Val Val Glu Trp Gln Leu
 1   5   10   15

Gln Asp Asp Lys Asn Gln Ser Leu Phe Cys Trp Glu Ile Pro Val Gln
            20   25   30

Ile Val Ser His Leu
           35

<210> 6928
<211> 49
<212> PRT
<213> Homo sapiens

<400> 6928
Ala Ser Ser Ser Gly Gly Pro Leu Val Thr Val Ser Thr Pro Leu His
 1   5   10   15

Gln Val Ser Pro Thr Gly Leu Glu Pro Ser His Ser Leu Leu Ser Thr
            20   25   30

Glu Ala Lys Leu Val Ser Ala Ala Gly Gly Pro Leu Pro Leu Ser Ala
            35   40   45

Pro

<210> 6929
<211> 86
<212> PRT

6141

<213> Homo sapiens

<400> 6929
Asp Leu Ser Lys His Ile Lys Thr His Gln Asn Lys Lys Gly Gly Pro
 1   5   10   15

Gly Val Ala Leu Ser Val Gly Thr Leu Pro Leu Asp Ser Gly Ala Gly
                20   25   30

Ser Glu Gly Ser Gly Thr Ala Thr Pro Ser Ala Leu Ile Thr Thr Asn
            35   40   45

Met Val Ala Met Glu Ala Ile Cys Pro Glu Gly Ile Ala Arg Leu Ala
        50   55   60

Asn Ser Gly Ile Asn Val Met Gln Val Ala Asp Leu Gln Ser Ile Asn
 65   70   75   80

Ile Ser Gly Asn Gly Phe
                85

<210> 6930
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6930
Thr Ser Thr Ser Gln Glu Pro Arg Trp Asp Gln Ser Thr Xaa Pro Gly
 1   5   10   15

Arg Ala Arg His Phe Phe Thr Val Thr Asp Pro Xaa Asn Leu Leu Leu
                20   25   30

Ser Gly Xaa Thr Ala Gly Ser Phe Leu Gly Thr Ser Cys Arg Thr Thr

6142

```
              35                40                45

Gly Asp His Pro Ser Ile
        50




<210> 6931
<211> 93
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6931
His His Ala Asp Gln Thr Leu Leu Thr Cys Arg His Gln Cys Pro Arg
  1               5                10               15

Val His His Leu Ser Ala His Arg Pro Ser Ser Cys Trp Xaa Leu Ser
            20                25                30

Ala Ala Tyr Ser Gly Trp Gly Asn Thr Leu Ser Phe Gly Ala Asp Tyr
          35                40                45

Pro Asp Glu Leu Lys Cys Leu Asp Ala Pro Val Leu Thr Gln Ala Glu
      50                55                60

Cys Lys Ala Ser Tyr Pro Gly Lys Asp Tyr Gln Gln His Val Leu Cys
  65                70                75                80

Gly Ala Ser Leu Arg Gly Gly Lys Asp Ser Leu Pro Ala
                85                90



<210> 6932
<211> 111
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (71)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (78)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (107)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6932
Asn Ala Ser Val Arg Leu Asp Asn Ser Ser Ser Gly Ala Ser Val Val
 1               5                  10                  15

Ala Ile Asp Asn Lys Ile Glu Gln Ala Met Asp Leu Val Lys Ser His
            20                  25                  30

Leu Met Tyr Ala Val Arg Glu Glu Val Glu Val Leu Lys Glu Gln Ile
            35                  40                  45

Lys Glu Leu Ile Glu Lys Asn Ser Gln Leu Glu Gln Glu Asn Asn Leu
        50                  55                  60

Xaa Lys Thr Leu Ala Ser Xaa Glu Gln Leu Ala Gln Phe Xaa Ala Gln
 65                  70                  75                  80

Leu Gln Thr Gly Ser Pro Pro Ala Thr Thr Gln Ser Gln Gly Thr Thr
                85                  90                  95

Gln Xaa Pro Ala Ser Gln Tyr Xaa Arg Ala Xaa Asp Gln Pro His
            100                 105                 110


<210> 6933
<211> 162
<212> PRT
<213> Homo sapiens
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6144

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<220>
<221> SITE
<222> (157)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6933
Glu Asn Thr Asp Tyr Val Asn Ala Ser Phe Ile Asp Gly Tyr Arg Gln
 1               5                  10                  15

Lys Asp Ser Tyr Ile Ala Ser Gln Gly Pro Leu Leu His Thr Ile Glu
            20                  25                  30

Asp Phe Trp Arg Met Ile Trp Glu Trp Lys Ser Cys Ser Ile Val Met
            35                  40                  45

Leu Thr Glu Leu Glu Glu Arg Gly Gln Glu Lys Cys Ala Gln Tyr Trp
    50                  55                  60

Pro Ser Asp Gly Leu Val Ser Tyr Gly Asp Ile Thr Val Glu Leu Lys
65                  70                  75                  80

Lys Glu Glu Glu Cys Glu Ser Tyr Thr Val Arg Asp Leu Leu Val Thr
                85                  90                  95

Asn Thr Arg Glu Asn Lys Ser Arg Gln Ile Arg Gln Phe His Phe His
            100                 105                 110

Gly Trp Pro Glu Val Gly Ile Pro Ser Asp Gly Lys Gly Met Ile Ser
            115                 120                 125

Ile Ile Ala Ala Val Gln Lys Gln Gln Gln Gln Ser Gly Asn His Pro
            130                 135                 140

Ile Thr Arg Ala Leu Gln Arg Pro Gly Gln Glu Gly Xaa Gly Pro Ser
145                 150                 155                 160

Val Pro


<210> 6934
<211> 95
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring L-amino acids
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6145

<400> 6934
Val Arg Ala Ser Gln Ser Ser Phe Ile Gly Thr Leu Asn Met Ser Gly
 1   5   10   15

Ile Ala Leu Ser Arg Leu Ala Gln Glu Arg Lys Ala Trp Arg Lys Asp
                20   25   30

His Pro Phe Gly Phe Val Ala Val Pro Thr Lys Asn Pro Asp Gly Thr
             35   40   45

Met Asn Leu Met Asn Trp Glu Cys Ala Ile Pro Gly Lys Lys Gly Thr
     50   55   60

Pro Trp Glu Gly Gly Leu Phe Lys Leu Arg Met Leu Phe Lys Asp Asp
 65   70   75   80

Tyr Pro Ser Ser Xaa Pro Lys Cys Lys Phe Glu Pro Pro Leu Phe
                85   90   95

<210> 6935
<211> 194
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6935
Thr Pro Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr Ala Val
 1   5   10   15

Gln Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn Ser Ala
                20   25   30

Arg Gly Gln Ile Thr Phe Pro Leu Ser Pro Ala Leu Asn Ile Glu Val
             35   40   45

Glu Gln Asn Gly Lys Pro Ser Leu Val Asp Leu Asn Glu Glu Met Gln
     50   55   60

His Met Asp Val Glu Glu Ser Gln Cys Leu Arg Leu Cys Pro Phe Leu
 65   70   75   80

Glu Asp His Lys Glu Asp Ile Leu Cys Gly Pro Val Trp Leu Ala Ser
                85   90   95

Gly Leu Asp Leu Ser Gly His Ala Gly Met Leu Thr Leu Thr Ser Pro

6146

```
              100                   105                   110

    Lys Leu Val Lys Gly Met Ala Gly Gly Lys Tyr Arg Ser Phe Leu Ile
            115                   120                   125

    His Val Lys Ala Val Asn Glu Arg Gly Thr Glu Glu Ile Cys Asn Gly
            130                   135                   140

    Gly Met Arg Pro Val Val Arg Leu Pro Ser Leu Lys His Gln Ser Asn
    145                   150                   155                   160

    Lys Gly Tyr Ser Leu Ala Ser Leu Leu Ala Lys Val Ala Ala Gly Lys
                    165                   170                   175

    Glu Lys Ser Ser Asn Val Lys Asn Glu Asn Thr Ser Gly Thr Arg Lys
                    180                   185                   190

    Ser Glu
```

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<210> 6936
<211> 86
<212> PRT
<213> Homo sapiens

<400> 6936
Leu Ile Phe Ala Gly Lys Gln Leu Glu Asp Gly Arg Thr Leu Ser Asp
  1               5                  10                  15

Tyr Asn Ile Gln Lys Glu Ser Thr Leu His Leu Val Leu Arg Leu Arg
                20                  25                  30

Gly Gly Ile Ile Glu Pro Ser Leu Arg Gln Leu Ala Gln Lys Tyr Asn
            35                  40                  45

Cys Asp Lys Met Ile Cys Arg Lys Cys Tyr Ala Arg Leu His Pro Arg
    50                  55                  60

Ala Val Asn Cys Arg Lys Lys Cys Gly His Thr Asn Asn Leu Arg
    65                  70                  75                  80

Pro Lys Lys Lys Val Lys
                85
```

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<210> 6937
<211> 198
<212> PRT
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6147

<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (196)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6937
```
Ile Tyr Xaa Gln Glu Lys Ala Gln Ser Met Glu Thr Leu Pro Pro Gly
 1               5                  10                  15

Lys Val Arg Trp Pro Asp Phe Asn Gln Glu Ala Tyr Val Gly Gly Thr
            20                  25                  30

Met Val Arg Ser Gly Gln Asp Pro Tyr Ala Arg Asn Lys Phe Asn Gln
            35                  40                  45

Val Glu Ser Asp Lys Leu Arg Met Asp Arg Ala Ile Pro Asp Thr Arg
    50                  55                  60

His Asp Gln Cys Gln Arg Lys Gln Trp Arg Val Asp Leu Pro Ala Thr
65                  70                  75                  80

Ser Val Val Ile Thr Phe His Asn Glu Ala Arg Ser Ala Leu Leu Arg
                85                  90                  95

Thr Val Val Ser Val Leu Lys Lys Ser Pro Pro His Leu Ile Lys Glu
            100                 105                 110

Ile Ile Leu Val Asp Asp Tyr Ser Asn Asp Pro Glu Asp Gly Ala Leu
        115                 120                 125

Leu Gly Lys Ile Glu Lys Val Arg Val Leu Arg Asn Asp Arg Arg Glu
    130                 135                 140

Gly Leu Met Arg Ser Arg Val Arg Gly Ala Asp Ala Ala Gln Ala Lys
145                 150                 155                 160

Val Leu Thr Phe Leu Asp Ser His Cys Glu Cys Asn Glu His Trp Leu
            165                 170                 175

Glu Pro Leu Leu Glu Arg Val Ala Glu Asp Arg Thr Arg Val Gly Ser
            180                 185                 190

Pro Ile Ile Xaa Cys His
            195
```

6148

<210> 6938
<211> 85
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6938
Cys Phe Ile Ala Ile Leu Phe Gly Ser Ser Thr Ile Ser Leu Ser Asp
 1   5   10   15

Glu Ala Ser Arg Arg Cys Ser Val Leu Xaa Ser Thr Leu Ser Ser Gln
            20   25   30

Ser Cys Lys Gln Leu Arg Val Tyr Leu Ser Pro Leu Ser Lys Glu Ala
            35   40   45

Ile Asp Asp Ser Pro Arg Leu Leu Ala Lys Leu Leu Ala Leu Lys Leu
        50   55   60

Cys Tyr His Ile Xaa Leu Glu Val Lys Gly Cys Asn Thr Glu Asn Thr
 65   70   75   80

Phe Phe Tyr Xaa Asp
                85

<210> 6939
<211> 36
<212> PRT
<213> Homo sapiens

<220>
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<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6939
Asp Lys Lys Pro Ile Arg Tyr Ala Arg Xaa Val Phe Xaa Gln Tyr Gln
 1               5                  10                  15

Pro Ser His Leu Glu Asn Leu Gln Lys Ala Tyr Val His Ser Ile Leu
            20                  25                  30

Cys Val Ser Glu
        35




<210> 6940
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6940
His Glu His Phe Pro Cys His Leu Tyr Tyr Phe Leu Asn Tyr Ser Phe
 1               5                  10                  15

Ser Leu Ala Cys Leu Ile Pro His Pro Pro Lys Ser Ile Cys Leu Ser
            20                  25                  30

His Ala Ile Ile Phe Ile Phe Met Ser Thr Ala Phe Ile Glu Phe Xaa
            35                  40                  45




<210> 6941
<211> 53
<212> PRT
<213> Homo sapiens

<220>
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6150

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<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 6941
Leu Arg Val Lys Tyr Lys Leu Leu Ala Ala Val Gly Gly Lys Glu Pro
 1               5                  10                  15


Asn Pro Lys Leu Trp Gly Phe Pro Leu Phe Pro Arg Glu Ala Xaa Gly
            20                  25                  30


Gly Met Asn Asp Pro Lys Gly Asn Glu Gln Thr Xaa Gly Asn Pro Pro
        35                  40                  45


Ser Ala Thr Ser Asp
     50




<210> 6942
<211> 122
<212> PRT
<213> Homo sapiens


<400> 6942
Ser Arg Val Gly Ser Glu Glu Gln Arg Lys Ala Val Gly Asp Val Ala
 1               5                  10                  15


Thr Val Pro Arg Asp His Pro Ala Met Glu Thr Arg Glu Leu Ser Leu
            20                  25                  30


Arg Gly Arg Gly Leu Ala Ser Lys Lys Asp Arg Glu Trp Thr Gly Arg
        35                  40                  45


Gly Pro Leu Ser Ser Gly Pro Lys Glu Asp Ser Ser Arg Arg Arg Glu
    50                  55                  60


Ser Glu Arg Gln Gly Pro Cys Ala Gly Leu Leu Leu Arg Leu Gln Ala
65                  70                  75                  80


Gly Ser Leu Pro Glu Ala Val Gln Lys His Ser Ser Ala Gly Pro Thr
                85                  90                  95


Arg Phe Leu Ser His Val Lys Phe Arg Ser Ser Val Lys Thr His Ser
            100                 105                 110
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6151

Ser Pro Ala Gly Val Leu Arg Asp Ala Arg
        115   120

<210> 6943
<211> 53
<212> PRT
<213> Homo sapiens

<400> 6943
Cys Phe Leu Glu Arg Asn Gln Met Cys Phe Cys Gly His Ser His Phe
 1   5   10   15

Leu Phe Cys Glu Phe Ser Lys Leu Ser Thr Ile Ala Ile His Ser Ala
            20   25   30

Ile Phe Ile Val Tyr Asn Leu Leu Ser Leu Val Asp Lys His Gly Ser
            35   40   45

Leu Phe Leu Lys Leu
        50

<210> 6944
<211> 64
<212> PRT
<213> Homo sapiens

<400> 6944
Ser Pro Tyr Leu Leu Val Asn Val Ala Val Leu Leu Gln Asn Leu Phe
 1   5   10   15

Gln Pro Phe Ser Asp Phe Lys Pro Pro Val Pro Leu Pro Leu Arg Glu
            20   25   30

Asn Ser Asn His Lys Ser Leu Ser Thr Ser Tyr Tyr Leu Asn Ile Asp
            35   40   45

Asn Phe Gln Ile Arg Glu Leu Arg Tyr Leu Lys Leu Arg Phe Leu Phe
        50   55   60

<210> 6945
<211> 45
<212> PRT

<213> Homo sapiens

<400> 6945
Asp Thr Glu Gly Lys Ser Trp Asn Phe His Lys Ser Leu Thr Gly Ala
1   5   10   15

Phe Leu Trp Leu Glu Leu Ala Gln Cys Asp Val Pro Glu Leu Val Gln
            20   25   30

Arg Asn Ala Phe Ser Phe Ala Lys Gln Asn Phe Gln Glu
        35   40   45

<210> 6946
<211> 85
<212> PRT
<213> Homo sapiens

<400> 6946
Gly Ala Ser Gln Ser Arg Ser Gly Ser Ser Val Arg Phe Pro Val Gly
1   5   10   15

Leu Thr Ala Gly Pro Trp Gly His His Pro His Leu Pro Ala Ser Ile
            20   25   30

Ser Glu Thr Glu Ala Trp Glu Pro Pro Gly Pro Pro Glu Ser Gly Arg
            35   40   45

Arg Lys Pro Ile Pro Gly Thr Gly Pro Gly Pro Phe Leu Val Arg Gly
        50   55   60

Thr Leu Trp Ser Ile Val Gly Gln Arg Asn Leu Leu Phe Asn Ile Lys
65   70   75   80

Arg Ile Leu Cys Pro
                85

<210> 6947
<211> 57
<212> PRT
<213> Homo sapiens

<400> 6947
Thr Gly Met Asn His His Ala Gln Pro His Leu Gln Phe Leu Lys Lys
1   5   10   15

Ile Leu Arg Ser Val Phe Phe Ile Val Tyr Lys Ser Phe Phe Val Ile
            20   25   30

6153

Thr Lys Ile His Ala Phe Gly Arg Asn Thr Asn Ile Gln Arg Cys Ser
         35   40   45

Ile Lys Leu Thr Phe Tyr Arg Thr Phe
         50   55

<210> 6948
<211> 75
<212> PRT
<213> Homo sapiens

<400> 6948
Ala Lys Glu Leu Ile Asp Asp Tyr Phe Ala Phe Ser Lys Ile Val Phe
 1   5   10   15

Asn Val Gly Ile Tyr Pro Ile Phe His Arg Asn Lys Val Gly Cys Ser
             20   25   30

Gly Ser Asn Phe Lys Cys Arg Leu Val Ile Ser Lys Cys Asn Gly Thr
         35   40   45

Ile Ile Ser Leu Val Gln Glu Thr Lys Leu Leu Pro Asn Leu Leu Leu
     50   55   60

Phe Cys Phe Phe Met Ala Tyr Phe Lys Leu Lys
 65   70   75

<210> 6949
<211> 61
<212> PRT
<213> Homo sapiens

<400> 6949
Arg Lys His Gly Arg Thr Cys Trp Trp Gly Pro Ser Asn Ile Gln Leu
 1   5   10   15

Asn Leu Ser Pro Pro Ser Ser Pro Val Leu Cys Arg Asp Gly Ser Arg
             20   25   30

Leu Leu Cys Gly Leu Asp Ile Ser Glu Gln Pro Asn Leu Ala Gly Ile
         35   40   45

Asn Pro Lys Gly Thr Gly Leu Arg Gly Gln Glu Leu Lys
     50   55   60

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<210> 6950
<211> 94
<212> PRT
<213> Homo sapiens

<400> 6950
Trp Asp Gln Arg Lys Arg Asn Ser Leu Val Pro Gly Pro Ala His Gly
  1               5                   10                  15


Pro Ala Gln Glu Glu Pro Trp Glu Lys Lys Glu Ser Leu Gly Ala Ala
                20                  25                  30


Gln Glu Ala Leu Ser Ile Gln Leu Gln Pro Lys Glu Thr Gln Pro Phe
            35                  40                  45


Pro Lys Ser Glu Gln Val Tyr Leu His Phe Leu Ser Val Val Thr Glu
        50                  55                  60


Asp Gly Pro Glu Pro Lys Asp Lys Gly Ser Leu Pro Gln Pro Pro Ile
 65                  70                  75                  80


Thr Glu Val Glu Ser Gln Val Phe Ser Glu Lys Leu Ala Thr
                85                  90
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<210> 6951
<211> 73
<212> PRT
<213> Homo sapiens

<220>
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<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6951
Gly Asn Lys Xaa Xaa Val Pro Xaa Val Xaa Pro Xaa Xaa Thr Met Asp
 1   5   10   15

Pro Xaa Ala Ala Asp Ser Ala Glu Gln Arg Gln Arg Glu Pro Ala Gly
             20   25   30

Pro Gln Val Ser Ser Asp Ala Ser Glu Ile Ser Cys Val Phe Val Ser
             35   40   45

Ser Glu Leu His Arg Ser Leu Thr Leu Glu Pro Ala Cys Leu Pro Ala
         50   55   60

Ala Val Leu Cys Ile Leu Arg Asn Gln
 65   70

<210> 6952
<211> 116
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

6156

<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6952
Arg Xaa His Xaa Leu Glu Leu His Arg Gly Ala Xaa Ala Leu Glu Leu
 1   5   10   15

Val Asp Pro Pro Gly Cys Arg Asn Ser Ala Arg Ala Phe Pro Leu Lys
            20   25   30

Arg Arg Arg Lys Arg Glu Gly Glu Gln Glu Lys Lys Lys Leu Pro Tyr
            35   40   45

Met Ser Val Phe Leu Tyr Lys Lys Val Thr Pro Tyr Lys Glu Thr Thr
    50   55   60

Ile Gln Ala Gly Ala Arg Gly Leu Gly Ser Arg Gly Ile Pro Gly Glu
65   70   75   80

Gln Ser Gln Gly Ile Pro Ser Lys Ser Pro Thr Cys Ser Glu Tyr Pro
            85   90   95

Thr Asn Val Ser Gly Ala Ser Ala Glu Val Ala Met Leu Asn Ala Ser
            100   105   110

Ser Ile Pro Gly
        115

<210> 6953
<211> 92
<212> PRT
<213> Homo sapiens

<400> 6953
Leu Ser Ile Val Cys Arg Met Asp Glu Arg Glu Ala Ala Glu Arg Gln
 1   5   10   15

Gln Gly His Ser Ala Ser Ser Gly Gly Arg Ser His Leu Met Glu Glu
            20   25   30

Asn Gln Phe Lys Glu Met Pro Phe Leu Tyr Arg Thr Pro Phe Asn Ser
            35   40   45

Ile Gln Glu Glu Arg Glu Ala Ala Ile Leu Arg Leu Ser Lys Tyr Ser
    50   55   60

Arg Gly Cys Pro Arg Met Ala Val Met Pro Gly Phe Trp Gln Val Pro
65   70   75   80

6157

Asp Ser Ile Thr Ser Pro Ala Ser Leu His Gln Ile
                85   90

<210> 6954
<211> 95
<212> PRT
<213> Homo sapiens

<400> 6954
Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Gly Gln Arg Trp Phe
  1   5   10   15

Tyr Pro Cys Leu Leu Leu Phe Phe Ser Leu Arg Phe Leu Arg Arg Arg
            20   25   30

Leu Leu Ser Arg Lys Cys Ala Val Val Ile Leu Glu Arg Leu Glu Ala
            35   40   45

Leu Leu Ala Thr Leu Gly Pro Arg Arg Ala His Val Met Thr Pro Thr
    50   55   60

Pro Gly Glu Arg Arg Arg Cys Gly Thr His Arg Pro Thr Gly Arg Val
  65   70   75   80

Ser Gly Gly Thr Leu Ile Val Ala Gly Arg Ser Gly Ala Ala Val
                85   90   95

<210> 6955
<211> 73
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (15)
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6158

<400> 6955
Xaa Ser Val Phe Xaa Glu Glu Gln Lys Met Glu Gln Leu Asp Xaa Arg
 1   5   10   15

Ala Leu Ala Pro Leu Val Met Leu Pro Ala Thr Arg Thr Cys Asp Leu
            20   25   30

Val Gln Lys Arg Ala Ala Val Leu Ser Ser Trp Trp Gln Val Met Tyr
        35   40   45

Met Val Arg Arg Gln Arg Asp Ala Met Val Ala Gly Ala Ala Val Val
    50   55   60

Glu Ser Thr Gly Arg His Ser Ala Trp
65   70

<210> 6956
<211> 114
<212> PRT
<213> Homo sapiens

<400> 6956
His Pro Val Leu Pro Ser Val His Leu Ala Asp Pro Gly Gly Leu Cys
 1   5   10   15

Pro Trp Gly Arg Gly Arg Arg Arg Gly Asp Cys Pro Arg His Pro His
            20   25   30

Gly Gly Leu Cys Gly Leu Phe Pro Gly Leu Pro Asp Gly His Ile Pro
        35   40   45

Gly Asp Leu Ser Arg Arg Val Arg Gly Gly Gln Gly Gly Ala Glu Arg
    50   55   60

Pro Val Phe Pro Val Gly Arg Arg Arg Gln Gly Arg Arg Glu Gln Arg
65   70   75   80

Lys Ala His Arg Ala Glu Ala His Ala Glu Gly Gly Pro Ala Gly Thr
            85   90   95

Gly Gly Asp Arg Val Arg Gly Leu Ser Arg Thr Pro Val Tyr Thr His
            100   105   110 ,

Ser Ser

<210> 6957

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<211> 26
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<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (16)
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<400> 6957
Val Leu Ser Met Phe Ile His Lys Asn Lys Ser Xaa Xaa Tyr Phe Xaa
 1               5                   10                  15

Ser Leu Arg Met Leu Lys Lys Ala Asn Pro
            20                  25



<210> 6958
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (23)
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6160

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6958
Trp Xaa Xaa Gly Leu Gln Glu Phe Gly Arg Xaa Gln Lys Ser Ser Leu
 1               5                   10                  15

Ala Thr Phe Val Gly Ser Xaa Pro Ser Xaa Gly Pro
              20                  25



<210> 6959
<211> 73
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (34)
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6161

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (71)
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<400> 6959
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Arg Pro Ala Ser Arg Ala Gly Leu Lys Ala Xaa Pro Leu Leu Xaa Lys
 1           5               10              15

Ser Trp Pro Pro Lys Xaa Cys Leu Xaa Glu Thr Ala Arg Thr Phe Asn
            20              25              30

Phe Xaa Pro Ala Gly Ser Asp Leu Gly Trp Ile Leu Val Xaa Phe Pro
        35              40              45

Leu Leu Gln Xaa Pro Pro Pro Leu Pro Arg Pro Phe Phe Phe Phe Phe
    50              55              60

Xaa Lys Xaa Val Phe Tyr Xaa Glu Ile
65              70
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<210> 6960
<211> 49
<212> PRT
<213> Homo sapiens

<400> 6960
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Pro Ala Ala Pro Ser Phe Ala Trp Thr Leu Thr Ser Phe Met Val Leu
 1           5               10              15

Leu Leu Gln Gly Gln Pro Pro Ser Ser Ser Ala Ser Lys Leu Cys Asn
            20              25              30

Leu Gln Pro Ala Pro Val Pro Asp Cys Ile Thr Ser Asp Leu His Trp
```

6162

```
            35                40                45

Phe



<210> 6961
<211> 73
<212> PRT
<213> Homo sapiens

<400> 6961
Phe Tyr Ala Ser Leu Phe Leu Arg Trp Ser Thr Ile Ser Glu Asn Leu
 1               5                  10                  15

Phe Ala Thr Thr Gly Tyr Pro Gly Lys Met Ala Ser Gln Phe Gln Ile
            20                  25                  30

His His Leu Gly His Pro Gln Pro Ile Leu Met Gly Ser Val Ala Val
         35                40                45

Gly Ser Gly Leu Ser Trp His Arg Thr Leu Pro Leu Cys Val Ile Gly
      50                 55                  60

Arg Glu Thr Thr Ser Cys Cys Phe Gly
65                70



<210> 6962
<211> 84
<212> PRT
<213> Homo sapiens

<220>
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<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6962
Leu Thr Asn His Ser Tyr Pro Arg Tyr Ser Lys Xaa Leu Thr Gln Lys
 1               5                  10                  15

Pro Asn Asn Ala Tyr Asn Phe Phe Gly Val Lys Ser Thr Ser Leu Val
            20                  25                  30
```

6163

Val Asp Tyr Gln Glu Gly Leu His Gly Arg Lys Ala Glu Cys His Arg
        35   40   45

Asn Tyr Ser Leu Ala Leu Xaa Val Gly Gly Cys Pro Gly Val Cys Ile
    50   55   60

Thr Ala Thr Phe Phe Phe Phe Leu Asn Ser Tyr Lys Ile His Glu Gln
65   70   75   80

Ser Asn Gln Tyr

<210> 6963
<211> 70
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6963
Asp Ile Leu Asn Leu Glu Leu Phe Asn Pro Lys Ile Phe Met Lys Ser
 1   5   10   15

Leu Ser Leu Glu Pro Lys Pro Glu Tyr Ser Tyr Cys Leu Phe Ser Lys
            20   25   30

Cys Ser Gly Lys Ala Leu Pro Val Gln Ser Phe Gln Asn Glu Gly Glu
        35   40   45

Thr Phe Ala Cys Leu Val Ile Thr Arg Leu Ser Ala Tyr Phe Xaa Asn
    50   55   60

Cys Ile Leu Lys Ile Gly
65   70

<210> 6964
<211> 74
<212> PRT
<213> Homo sapiens

<400> 6964
Arg Pro Ala Arg Ser Pro Ala Glu Val Gly Ser Arg Gly Leu Ser Ser
 1   5   10   15

6164

```
Pro Pro Arg Ala His His Arg Pro Val Ser Pro Ala Ala Pro Gly Arg
            20              25              30

Trp Ser Thr Ser Ala Arg Val Arg Thr Arg Lys Met Val Asn Tyr Ala
        35              40              45

Trp Ala Gly Arg Thr Glu Glu Thr Leu Val Glu Val Arg Ser Gly Pro
    50              55              60

Asp Val Gln Ile Gly Arg Pro Thr Trp Val
65              70
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<210> 6965
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<222> (15)
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<220>
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<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6965
Lys Ala Glu Thr Lys Pro Glu Leu Thr Pro Lys His Val Asp Xaa Val
  1           5               10              15

Thr Xaa Met Ser Leu Phe Gly Ile Thr Leu Leu Phe Met Ser His Ile
            20              25              30

Leu Val Gly Ser Ser Asp
        35
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<210> 6966
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids
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<220>
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<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 6966
Asn Ser Ala Xaa Asp Trp Ser Lys Xaa Cys Ile Leu Arg Asp Met Asn
 1               5                  10                  15


Val Gln Ser Leu Asp His Glu Asp Asp Arg Ile Pro Arg Asn Ser
             20                  25                  30




<210> 6967
<211> 79
<212> PRT
<213> Homo sapiens


<220>
<221> SITE
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6167

<222> (65)
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<400> 6967
Val Gly Leu Leu Ser Phe Ser Xaa Glu Gly Ser Leu Ala Leu Xaa Val
 1   5   10   15

Xaa Glu Asp Gly Leu Ile Glu Gly Xaa Val Xaa Ser Trp Asn Pro Asn
            20   25   30

Ser Cys Val Xaa Gly Val Thr Leu Val Leu His Asn Val Xaa Leu Trp
            35   40   45

Trp Ile Gly Xaa Thr Glu Xaa Xaa Xaa Xaa Xaa Xaa Phe Xaa Ile Xaa
     50   55   60

Xaa Cys Xaa Xaa Xaa Ser Xaa Lys Ser Val Phe Glu Gly Xaa Gln
 65   70   75

<210> 6968
<211> 115
<212> PRT
<213> Homo sapiens

6168

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<222> (64)
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<220>
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<220>
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<400> 6968
Met Leu Phe Ile Leu Pro Thr Asn Leu His Ser Ser His Gly Ile Thr
 1               5                  10                  15

Ala Gln Thr Thr Trp Gln Thr Glu Arg Gln Met Gln Ser Cys Thr Asp
            20                  25                  30

Ser Val Gly Pro Ala Gly Val Gly His Leu Asn Arg Pro Leu Leu Pro
            35                  40                  45

Asn Ser Leu Arg Trp Val Glu Gln Glu Gly Leu Pro Trp Pro Arg Xaa
        50                  55                  60

His Gly Arg Lys Xaa Xaa Phe Phe Ser Arg Arg His Val Ile Val Gly
65                  70                  75                  80

Xaa Xaa Xaa Tyr Ile Ile Leu Gly Xaa Pro Xaa Phe Leu Lys Asn Ser
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6170

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                85                   90                   95

Xaa Arg Val Xaa Lys Ile Xaa Xaa Lys Trp Gly Xaa Xaa Xaa Lys Val
            100                 105                 110

Xaa Xaa Ile
        115
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<210> 6969
<211> 63
<212> PRT
<213> Homo sapiens

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<400> 6969
Lys Ser Phe Leu Ser Leu Tyr Leu Gly Leu Phe Thr Phe Arg Phe Phe
  1           5                 10                  15

Phe Asn Val Ile Ile Phe Thr Leu Trp Ile Ser Asn Phe Val Pro Phe
            20                  25                  30

Lys Ile Arg Asp Arg Arg His Ile Gln Leu Asp Leu Leu Met Thr Phe
          35                  40                  45

Cys Trp Thr Thr Phe Leu His Glu Cys Phe Xaa Ala Leu Gly Asp
    50                  55                  60
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<223> Xaa equals any of the naturally occurring L-amino acids


<400> 6970
Ala Leu Pro Asn Ala Gly Thr His Ser Val Thr Arg Thr Arg Phe Leu
 1           5                  10                 15


Ser Val Pro Phe Leu Pro Met Leu Val Pro Phe Ala Ile Asp Ser Gly
                20                  25                 30


Leu Ile Ser Gly Lys Thr Ala Leu Cys Asn Phe Leu Tyr Leu Leu Arg
            35                  40                 45


Val Gln Ser Gly Gly Glu Arg Leu Arg Asp Pro Gly Phe Ser Trp Cys
        50                  55                 60


Phe Ile Gly Ser Asp Trp Val Met Ser Pro Xaa Tyr Glu Thr Asn Cys
 65              70                  75                 80


Cys Gly Leu Gln Lys Cys Gly Gln Xaa Pro Leu Asp Ser Xaa Gly Phe
                85                  90                 95


Ser Xaa Cys
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<210> 6971
<211> 70
<212> PRT
<213> Homo sapiens


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6172

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<400> 6971
Tyr Pro Trp Lys Gly Phe Arg Gln Xaa Ser Ser Ser Gly Asn Ser Xaa
 1   5   10   15

Glu Ser Arg Trp Xaa Ser Trp Xaa Met Ala Phe Ser Gly Xaa Xaa Ser
                20   25   30

Pro Gly Thr Gly Cys Leu Xaa Tyr Lys His Xaa Xaa Thr His Met Xaa
            35   40   45

Glu Val Lys Lys Ser Xaa Phe Arg Lys His Phe Phe Asn Gly Leu Asn
        50   55   60

Xaa Gly Gly Phe Xaa Phe
65   70

<210> 6972
<211> 59
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6972
Val Xaa Leu Val Ala Asp Leu Ser His Ala Leu Arg Ile Arg Leu Tyr
 1   5   10   15

Lys Tyr Ile Trp Ala Lys Pro Ser Xaa Ala Met Gly Met Trp Lys Arg
                20   25   30

Tyr Val Gly Ser Ser Val Glu Tyr Gln Ser Met Met Arg Thr Phe Ser
            35   40   45

Arg Pro Ser Ser Gly Leu Glu Phe Gly Phe Gln
        50   55

<210> 6973
<211> 59

<212> PRT
<213> Homo sapiens

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<400> 6973
Gln Ala Ser Leu Gly Ser Xaa Thr Gln Trp Phe Xaa Phe Ser Lys Cys
  1   5   10   15

Ser Lys Arg Ala Ser Thr Asn Val Gln Val Asn Phe Xaa Ser Phe Cys
             20   25   30

Leu Gly Ile Met Phe Ala Thr Val Leu Leu Asn Gln Ser Lys Ser Phe
             35   40   45

Met Asn Gln Pro Arg Phe Gln Gly Leu Glu Glu
         50   55

<210> 6974
<211> 46
<212> PRT
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6175

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6974
Asn Ser Ala Gln Leu Gln Leu Leu Lys Val Arg Phe Arg Leu Phe Asn
 1   5   10   15

Pro Leu Leu Met Asn Ala Asn Met Xaa Gln Xaa Trp Val Gly Ile Leu
            20   25   30

Gln Val Ile Phe Ile Ser Ala Gln Arg Xaa Lys Thr Ile Ser
        35   40   45

<210> 6975
<211> 52
<212> PRT
<213> Homo sapiens

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<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6975
Phe Gly Xaa Asn Arg Ser Gly Ser Arg Thr Leu Pro Ser Thr Ala Glu
 1   5   10   15

Gln Pro Ala Arg Glu Val Glu Gly Leu Gly Arg Ala Pro Gly Lys Glu
            20   25   30

Trp Glu Met Val Arg Ile Gly Val Gly Gly Ala Lys Arg Gly Xaa Ser
            35   40   45

Pro Arg Cys Thr
        50

<210> 6976
<211> 84
<212> PRT
<213> Homo sapiens

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<400> 6976
Ala Ser Arg His Gln Asn Asn Val Ser Ser Glu Ile Asn Ser Gly Ile
  1               5                  10                  15

Pro Pro Arg Asn Met Ala Asn Arg Arg Asn His Lys Glu Trp Gly Pro
            20                  25                  30

Gln Gly Gly Gly Trp Ser Asn Asp Glu Leu Thr Thr Leu Ile Ile Pro
            35                  40                  45

Ser Lys Trp Val His Ile Tyr Gln Xaa Gly Gly Leu Leu Leu Leu Phe
        50                  55                  60

Ala Xaa Met Leu Lys Xaa Xaa Val Gly Cys Phe Xaa Gly Lys Cys Pro
65                  70                  75                  80

Gly Glu Xaa Ser


<210> 6977
<211> 65
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6177

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<212> PRT
<213> Homo sapiens

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<400> 6977
Glu Ala Pro Arg Xaa Gly Xaa Pro Ile Xaa Phe Gly Gly Xaa Cys Cys
 1               5               10                  15


Asp Phe Gln Ile Xaa Xaa Xaa Gly Xaa Phe Gly Ile Tyr Glu Glu Xaa
              20              25              30


Trp Gly Xaa Xaa Xaa Gly Xaa Gly Xaa Trp Gly Glu Val Xaa Xaa Ile
          35              40              45


Phe Gln Gly Gly Leu Xaa Lys Gly Xaa Lys Lys Xaa Lys Xaa Xaa Xaa
      50              55              60


Pro
 65




<210> 6978
<211> 60
<212> PRT
<213> Homo sapiens


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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6978
Lys Leu Xaa Arg Leu Leu Val Ser Gly Leu Gly Phe Ser Ser Arg Leu
 1               5                  10                  15

Asn Xaa Met Ile Pro Lys Xaa Val Xaa Lys Met Xaa Xaa Phe Xaa Gly
            20                  25                  30

Gly Gln Xaa Gly Ile Xaa Gly Xaa Xaa Xaa Xaa Val Gln Pro Xaa Arg
        35                  40                  45

Xaa Xaa Xaa Pro Leu Pro Cys Phe Xaa Pro Arg Gly
    50                  55                  60


<210> 6979
<211> 65
<212> PRT
<213> Homo sapiens

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<400> 6979
Thr Xaa Xaa Leu Leu Glu Ala Xaa Lys Ser Val Xaa Xaa Leu Thr Met
1   5   10   15

Asn Trp Phe Gly Pro Xaa Xaa Xaa Leu Leu Xaa Gly Xaa Ala Xaa Arg
            20   25   30

Leu Xaa Glu Arg Gly Gly Xaa Xaa Arg Gly Xaa Xaa Pro Asp Trp Xaa
        35   40   45

Arg Trp Ala Xaa Leu Gly Xaa Gly Asn Arg Val Phe Ala Leu Gly Gly

6184

```
         50                    55                    60

Xaa
  65



<210> 6980
<211> 68
<212> PRT
<213> Homo sapiens

<220>
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6186

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<400> 6980
Asp Phe Gly Xaa Gly Xaa Thr Xaa His Xaa Val Xaa Ser Xaa Xaa Arg
 1   5   10   15

Xaa Val Leu His Arg Lys Val Phe Xaa Met Val Gly Ser Gln Lys Asn
            20   25   30

Leu Pro Arg Xaa Leu Met Leu Xaa Val Xaa Phe Xaa Glu Xaa Leu Xaa
            35   40   45

Thr Xaa Glu Xaa Asp Cys Xaa Xaa Gly Xaa Gly Xaa Cys Trp Lys Gln
    50   55   60

Gln Glu Ala Xaa
 65

<210> 6981
<211> 86
<212> PRT
<213> Homo sapiens

<220>
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<400> 6981
Phe Gly Thr Gly Asn Ser Thr Ser Asn Pro His Pro Gly Pro Gln Leu
  1               5                  10                  15

Trp Arg Arg Xaa Leu Gly Arg Glu Leu Ala Ser Ser Pro Ser Thr Xaa
               20                  25                  30

Lys Pro Gly Asp Ala Pro Xaa Trp Ala Gly Pro Thr Lys Gly Pro Xaa
           35                  40                  45

Pro Gln Gly Arg Ala Pro Gly Ala Gly Phe Pro Arg Glu Ala Thr Phe
       50                  55                  60

Pro Leu Val His Gly Pro Gly Ile Asp Ala Pro Phe Gly Gln Xaa Pro
 65                  70                  75                  80

Gly Xaa Ser Lys Val Gly
                85



<210> 6982
<211> 83
<212> PRT
<213> Homo sapiens

<220>
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<222> (81)
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<400> 6982
Arg Leu Ala Leu Arg Pro Ser Asp Leu His Ile Trp Gly Gln Phe Cys
 1               5                  10                  15

Leu His Trp Phe Leu Pro Leu Asp Gly Thr Gly Leu Arg Trp Leu Arg
               20                  25                  30

Leu Ala Ala Trp Ala Phe Leu Phe Lys Ile Pro Trp Xaa Gly His Thr
          35                  40                  45
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```
Xaa Lys Thr His Xaa Ala Asp Glu Glu Asn Glu Arg Leu Arg Xaa Asp
     50                  55                  60

Xaa Gln Xaa Leu Arg Xaa Leu Trp His Arg Gly Xaa Phe Ser Ser Pro
 65                  70                  75                  80

Xaa Lys Ser
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<210> 6983
<211> 126
<212> PRT
<213> Homo sapiens

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Val Leu Cys Phe Glu Asn Leu Phe Phe Pro Gln Xaa Ser Leu Thr Tyr
             20                25                30

Phe Leu Gln Thr Asp Arg Ile Gln Arg Lys Asn Ser Pro Ser Phe Ile
          35                40                45

His Tyr Glu Met Asn Phe Ser Phe Glu His Val Ile Leu Leu Phe Cys
       50                55                60

Ser Asn Gly Asp Gln Arg Asp Thr Gly Xaa Pro Pro Val Phe Ser Ser
 65                70                75                80

Ser Phe Gln Phe Trp Thr Xaa Lys Glu Arg Gly Leu Val Xaa Ile Val
             85                90                95

Ala Xaa Leu Xaa Leu Xaa Gln Ala Cys Gly Asp Xaa Arg Xaa Xaa Gly
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6191

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                100                    105                     110

Val Xaa Gly Ser Arg Val Leu Val Met Xaa Asn Val Xaa Phe
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<210> 6984
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<212> PRT
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 1               5               10              15

Lys Val Lys Leu Trp Leu Val Ile Gln Xaa Xaa Leu Met Xaa Pro Xaa
             20              25              30

Lys Leu Ala Ala Lys Xaa Gly Xaa Pro Ala Xaa Xaa Leu Val Trp Gly
         35              40              45

Gln Gly Xaa Pro Xaa Val Pro Pro Xaa Xaa
     50              55



<210> 6985
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 1               5               10              15

Leu Xaa Phe Ser Ser Gly Arg Glu Pro Ala Leu Ala Leu Gly Glu Ser
             20              25              30

Ser Thr Ala Glu Val Lys Leu Met Arg Ala His Gln Gly Met Leu Glu
         35              40              45

Gly Gly Gly
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Ala Lys Xaa Gln Ile Gln Ala His Ser Ala Pro Ser Phe Xaa Gly Phe
             20                  25                  30

Pro Xaa Phe Ala Leu Arg Gly Xaa Phe Arg Gly Gly Leu Gly Pro Pro
```

6196

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        35                    40                    45

Gly Xaa Gly Leu Gln Xaa Xaa Val Phe Xaa Pro His Gly Leu Xaa Xaa
        50                    55                    60

Gly Pro Xaa Xaa Xaa Val Phe Pro Gly Ala Xaa Gly Xaa Xaa Gly Xaa
65                    70                    75                    80

Xaa Asn Xaa Trp
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<210> 6987
<211> 132
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6198

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Phe Gly Xaa Ala Ala Trp His Arg Pro Ala Ala Arg Gly Gln Ser Pro
 1               5                  10                  15

Arg Arg Cys His Ala Xaa Val His Arg Ser Gln Cys Xaa Leu Cys Arg
            20                  25                  30

Leu Gly Ala Ala Gly Glu Arg Gly Arg Gln Pro Gly Arg Gly Thr Gly
            35              40              45

Thr Pro Gly Glu Pro Ser Arg Pro Lys Ala Leu Xaa Leu Pro Gln Ser
        50              55              60

Val Ser Xaa Gly Leu Val Ala Leu Leu Ala Ser Arg Asn Leu Xaa Xaa
65              70              75                      80

Pro Pro Leu His Trp Val Leu Leu Ala Leu Ala Leu Val Asn Leu Xaa
                85              90                  95

Leu Xaa Leu Pro Val Xaa Trp Gly Phe Phe Cys Cys Val Asn Tyr Cys
            100             105             110

Gly Xaa Xaa Xaa Ala Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Asp Phe
        115             120             125

Leu Asp Leu Trp
        130
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6199

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<213> Homo sapiens

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<400> 6988
Asn Ala Asp Val Xaa Val Pro Ser Leu Ser Gln Xaa Thr Gly Cys Pro
 1               5                   10                  15

Val Trp Arg Thr Ala Gln Met Gln Leu Tyr Glu His Tyr Gly Lys Cys
             20                  25                  30

Ala Gly Lys Lys Arg Gln Leu Val Xaa Pro Thr Phe Ala Leu Val Ser
             35                  40                  45

Arg Ala Ser Trp Val Val Xaa Cys Lys Ala Pro Gly Gly Gly Ile Phe
     50                  55                  60




<210> 6989
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6200

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<400> 6989
Leu Tyr Ser Glu Asp Thr Ile Phe Thr Leu Gly Val Asn Ser His Xaa
 1               5                  10                  15

Lys Gln Ala Ser Thr Gly Xaa Lys Leu Gly Glu Val Phe Glu
            20                  25                  30



<210> 6990
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6201

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6202

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Asn Ile Phe Lys Leu Ile Gln Arg Xaa Leu Leu Leu Asp Asn Ser Ile
 1               5                   10                  15

Leu Glu Asn Asn Phe Pro Thr Tyr Ser Ile Xaa Ala Ser Lys Val Xaa
                20              25              30

Gln Xaa Leu Xaa Lys Leu Arg Gly Gly Phe Gly Gly Xaa Gly Phe Phe
        35                  40                  45

Thr Leu Xaa Arg Xaa Phe Phe Phe Xaa Phe Leu Xaa Arg Xaa Leu Leu
    50                  55                  60

Leu Gly Glu Phe Ala Pro Gly Gly Xaa Leu Phe Ser Arg Xaa Xaa Xaa
    65                  70                  75                  80

Phe Xaa Gln Xaa Phe Xaa Xaa Gly Val Xaa Gly Xaa Pro Phe Xaa Glu
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6203

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                85                      90                      95

  Xaa




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<400> 6991
Ile Arg Xaa Xaa Leu Pro Ser Gln Met Ser Cys Arg Lys Arg Phe Asp
  1               5                  10                  15


Val Met Trp Arg Ser Arg Arg Val Ile Asp Gly Pro Xaa Leu Glu Trp
              20                  25                  30


Lys Val Gln Ile Pro Ala Thr Gln Leu Lys Arg
          35                  40




<210> 6992
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<212> PRT
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Leu Glu Glu Trp Gly Ser Gly Xaa Trp Xaa Gln Leu Ile Xaa Xaa Phe
  1   5   10   15

Xaa Asp Phe Ile Gly Glu Gly Ser Xaa Gly Xaa Xaa Glu Xaa Xaa Thr
             20   25   30

Val Val Xaa Xaa Cys His Gln Pro Trp Pro Gln Leu Ala Xaa Leu Gly
         35   40   45

Phe Gly Arg Lys Pro Asp Xaa Xaa Pro
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<210> 6993
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Pro Leu Trp Xaa Asp Leu Leu Xaa Ile Thr Lys Leu Leu Leu Phe Ser
                20                  25                  30

Gln Lys Arg Ile Ser Xaa Trp Met Val His Gly Asn Xaa Phe Xaa Xaa
            35                  40                  45

Xaa Gly Xaa Xaa Xaa Gly Val Xaa Gly Xaa Xaa Xaa Xaa Xaa Phe Gly
        50                  55                  60

Gly Phe Phe Gly Pro Xaa Xaa Leu Xaa Xaa Pro Pro Xaa Xaa Gly Gly
65                  70                  75                  80

Phe Phe Xaa Asn Xaa Pro Xaa Phe Gly Xaa Gly Gly Gly Asn Xaa Xaa
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6209

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            85                  90                  95

Pro Arg Pro Xaa
             100



<210> 6994
<211> 69
<212> PRT
<213> Homo sapiens

<400> 6994
Gly Arg Ala Glu Pro Arg Arg Ala Trp Ala Val Gly Ser Gly Lys Gly
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Ser Val His Ser Gly Thr Pro Val Lys Pro Val Gln Pro Ser Val Ser
             20                  25                  30

Cys Gly His Leu Glu Ser Thr Leu Ser Leu Leu Cys Pro Ser Thr Pro
             35                  40                  45

Arg Thr Val Ser Leu Ser Gln Met Glu Ala Glu Leu Asn Thr Leu Arg
     50                  55                  60

Trp Met Met Glu Thr
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<210> 6995
<211> 63
<212> PRT
<213> Homo sapiens

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6210

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<400> 6995
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 1               5               10              15

Gly Pro Gln Gly Pro Glu Asn Pro Gln Cys Ser Xaa Gly Asp Thr Leu
            20              25              30

Gln Lys Asn Val Cys Xaa Pro Glu Lys Gly Val Gly Pro Leu Val Ala
        35              40              45

Ala Ala Thr Val Pro Val Tyr Met Gly Pro Val Lys Ile Xaa Gly
    50              55              60


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<400> 6996
Ala Ser Pro Pro Gly Asn Ala Leu Gly Leu Xaa Xaa Arg Xaa His Met
 1               5                  10                  15

Gln Gly Ser Thr Arg Arg Met Xaa Val Met Xaa Xaa Val His Arg Xaa
            20                  25                  30

Phe Leu Xaa Phe Leu Met Thr His Gly Val Leu Lys Glu Trp Glu Arg
```

6212

```
                35                    40                    45
      Glu Arg Pro Cys Arg Gly Thr Ala Thr Arg Ser Met Asn Arg Ser Ala
            50                    55                    60

      His Arg Arg Xaa Xaa Trp Arg Thr Ser Ser Asn Asn Ile Xaa Gln Xaa
      65                    70                    75                    80

      Phe Gly Ser Pro Cys Ile Leu Arg Leu Lys Arg Arg Ser Ala Arg Lys
                        85                    90                    95

      Asp Asp Gly Xaa Thr His Phe Met Xaa Trp
                        100                    105
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<210> 6997
<211> 73
<212> PRT
<213> Homo sapiens

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6213

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<400> 6997
Arg Asn Ser Phe Ala Trp Leu Arg Pro His Gly Leu Leu Xaa Met Phe
 1               5                  10                  15

Cys Pro Arg Pro Phe Val Ser His Ser Xaa Gln Trp Gly Trp Leu Xaa
            20                  25                  30

Leu Cys Gln Ala Lys Val Gln Gly Met Glu Val Gln Leu Cys Xaa Lys
            35                  40                  45

Val Glu Pro Xaa Trp Asp Arg Gly Ser Phe Ser Ser Lys Ala Xaa Ala
        50                  55                  60

Trp Xaa Tyr Glu Trp Xaa Xaa Arg Gly
65                  70


<210> 6998
<211> 115
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6214

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Gly Thr Ser His Ser Lys Pro Gly Ser Thr Xaa Thr Thr Leu Ser Pro
 1   5   10   15

Gly Ser Ile Thr Thr Ser Ser Phe Ala Gln Xaa Phe Thr Thr Pro His
            20   25   30

Ser Gln Pro Gly Ser Ala Leu Xaa Thr Val Ser Pro Ala Ser Thr Thr
            35   40   45

Val Pro Gly Leu Ser Glu Glu Ser Thr Thr Phe Tyr Ser Ser Pro Gly
     50   55   60

Ser Thr Glu Thr Thr Ala Phe Xaa His Ser Asn Thr Ser Ala Tyr Pro
65   70   75   80

Arg Glu Asn Gly Thr Gly Asn Ser Met Met Cys Leu Lys Ser Xaa Arg
                85   90   95

Lys Glu Gly Thr Pro Gly Ile Xaa Pro Glu Asp Gly His Leu Gly Arg
            100   105   110

Thr Arg Ile
        115

<210> 6999
<211> 80
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<213> Homo sapiens

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6216

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 6999
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Ala Arg Pro Arg Pro Ile Arg His Ser Xaa His Phe Thr Arg Xaa Xaa
 1               5                  10                  15

Phe His Lys His Ile Xaa Ile Leu Gln Gln His Phe Xaa Met Val Pro
                20                  25                  30

Ala Val Glu Xaa Ser Asn Val Lys Xaa Xaa Xaa Pro Pro Ser His Ile
            35                  40                  45

Ala Ser Ser Thr His Phe Phe Gly Lys Leu Ser Ser Ala Cys Asn Met
        50                  55                  60

Leu Pro Lys Xaa Xaa Arg Lys Gln His Trp Arg Pro Val Phe Arg Asn
65                  70                  75                  80
```

<210> 7000
<211> 77
<212> PRT
<213> Homo sapiens

<400> 7000
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Leu Leu Asp Ala Lys Ser Val Phe Thr Lys Thr Ile Gln Met Leu Leu
 1               5                  10                  15

Asn Tyr Gln Ile Ser Phe Pro Thr Phe Gly Lys Gly Val Ala Leu Ile
                20                  25                  30

Pro Tyr Trp Asp Tyr Lys Leu Val Met Val Phe Gly Lys Gln Phe Gly
            35                  40                  45

Asn Met His Gln Lys Leu Leu Thr Phe Phe Ile His Leu Trp Pro Ser
        50                  55                  60

Asn Phe Ile Ser Glu His Leu Phe Tyr Gly Asn Tyr Ser
65                  70                  75
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<210> 7001
<211> 33
<212> PRT
<213> Homo sapiens

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<222> (26)
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<220>
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<222> (32)
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<400> 7001
Thr Val Asp Tyr Tyr Ser Gln Arg Glu Lys Ser His Leu Thr Xaa Ser
  1               5                  10                  15

Leu Phe Lys Leu Ser Xaa Pro Glu Arg Xaa Lys Tyr Gln Arg Arg Xaa
              20                  25                  30

Asn




<210> 7002
<211> 54
<212> PRT
<213> Homo sapiens

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7002
Phe Glu Asn Val Leu Xaa Leu His Xaa Cys Leu Asp Asp Leu Leu Lys
 1               5                  10                  15


Lys Gln His Ser Ala Pro Thr Lys Leu Ile Ser Ser Cys Pro Ala Ser
            20                  25                  30


Ala Ser Val Ser Ile Pro Ala Leu Gly Phe Xaa Xaa Cys Leu Pro Ile
            35                  40                  45


Ser His Asn Gly Ser Phe
        50




<210> 7003
<211> 67
<212> PRT
<213> Homo sapiens


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<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (63)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7003
His Glu Val Leu Val His Ser His His Leu Pro Ser Val Pro Gln Arg
 1               5                  10                  15


Phe Thr Leu Ser Leu Met Trp Asp Leu Phe Pro Val Arg Cys His Tyr
            20                  25                  30


Phe Pro Phe Pro Trp Phe Thr Leu Pro His Ile Gly Lys Ala Leu Pro
            35                  40                  45
```

6219

```
Ile Ala Phe Gly Lys Gly Lys Met Xaa Lys Xaa Asn Val Leu Xaa Ser
    50                  55                  60

Leu Cys Val
  65




<210> 7004
<211> 55
<212> PRT
<213> Homo sapiens

<220>
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<400> 7004
Arg Val Pro Asn Pro Arg His Thr Asp Phe Glu Phe Tyr Leu Thr Gly
  1               5                  10                  15

Thr Asp Met Leu Arg Leu Ser Asp Trp Glu Ser His Leu Trp Leu Leu
              20                  25                  30

Pro Cys Xaa Xaa Pro Asn Ser Ser Arg Leu Val Xaa Lys Xaa Xaa Lys
```

6220

```
          35                    40                    45

Glu Xaa Ser Leu Gly Leu Gly
         50                    55




<210> 7005
<211> 70
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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6221

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<400> 7005
Ile Phe Val Val Ala Phe Xaa Leu Gly Leu Gln Asn Lys Ala Asp Phe
 1               5                   10                  15

Xaa Phe Gln Xaa Val Pro Phe Leu Pro Xaa Gln Val Tyr Tyr Xaa Xaa
               20              25                  30

Val Leu His Xaa Val Phe Lys Lys Gln Pro Thr Ile Xaa Thr His Val
           35              40                  45

Thr Xaa Leu Cys Leu Pro Gln Phe Phe Gly Ser Leu Ala Thr Leu Val
       50              55                  60

Xaa His Val Gly Leu Asp
 65                  70



<210> 7006
<211> 62
<212> PRT
<213> Homo sapiens

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<220>
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<220>
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6222

<222> (62)
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<400> 7006
Gly Gly Thr Asp Ser Leu Val Gly Gly Trp Gly His Glu Thr Arg Xaa
  1   5   10   15

Ala Leu Arg Lys Pro His Cys Arg Gln Thr Phe Leu Asp Glu Glu Ala
            20   25   30

Leu Pro Arg Val Pro Arg Phe Xaa Phe Phe Val Gly Ile Gly Asn Glu
        35   40   45

Cys Phe Pro Ser Xaa Ala Ser Phe Cys Thr Phe Thr Val Xaa
    50   55   60

<210> 7007
<211> 42
<212> PRT
<213> Homo sapiens

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<220>
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<400> 7007
Ile Leu Phe Thr Thr Gly Met Cys Gly Ile Cys Asn Tyr Ile Xaa Phe
  1   5   10   15

6223

Xaa Gly Pro Ile Xaa Gly Leu Ser Phe Leu Glu Leu Ile Ile Leu Pro
            20   25   30

Tyr Tyr Xaa Ile Cys Xaa Ser Gly Ser Ile
            35   40

<210> 7008
<211> 75
<212> PRT
<213> Homo sapiens

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<400> 7008
Gly Thr Cys Val Leu Arg Leu Cys Leu His Cys Leu Leu Ser Pro Thr
  1   5   10   15

Lys Leu Ser Ser Pro Pro Pro Val Thr Leu Glu Leu Cys Phe Ile Phe
            20   25   30

Lys Glu Glu Arg Glu Xaa Gly Glu Val Thr Ser Xaa Thr Leu Gln His
            35   40   45

Gly His Gln Phe Phe Trp Asn Asn Leu Gly Gly Ser Thr Cys Phe Trp
       50   55   60

Glu Lys Cys Phe Gly Lys Arg Phe Trp Gly Gly
 65   70   75

<210> 7009
<211> 59
<212> PRT
<213> Homo sapiens

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6224

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<400> 7009
Leu Gly Asn Phe Leu Asn Ser Lys Lys Ile Phe Ser Cys Ser Leu Ser
 1               5                  10                  15

His Tyr Ile Trp Phe Ser Ala Tyr Lys Ser Lys Arg Ile Ile Cys His
            20                  25                  30

Ser Phe Phe Lys Xaa Val Phe Phe Pro Asn Leu Xaa Xaa Asn Thr Asn
            35                  40                  45

Ile Ser Ser Asn Gly Leu Pro Xaa Ser Ala Gly
    50                  55



<210> 7010
<211> 86
<212> PRT
<213> Homo sapiens

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<400> 7010
Gly Thr Ser Thr Ala Pro Ser Gln Phe Tyr Tyr Thr Ala Val Val Ser
 1               5                  10                  15

Ala Tyr Lys Phe Xaa Ser Ser Cys Pro Phe Trp Pro Thr Leu Ala Leu
            20                  25                  30

Ile Ile Ile Leu Lys Pro Gly Ser Ser Ile Tyr His Ala Phe Ile Leu
            35                  40                  45
```

6225

Glu Ile Asn Leu Gly Ser Asp Thr Gln Val Arg Ile Ile Tyr Gly Gly
    50   55   60

Trp Arg Gln Val Ser Ser Asn Gly Thr Val Lys Gly Glu Asp Phe Ser
65   70   75   80

Thr Thr Leu Trp Arg Gly
                85

<210> 7011
<211> 115
<212> PRT
<213> Homo sapiens

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6226

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Gly Xaa Gly Arg Pro Asp Pro Ser Glu Xaa Gln Thr Thr Ala Lys His
 1               5                   10                  15


Gly Gln Glu Arg Lys Cys Ser Gln Ala Tyr Ala Thr Ala Trp Trp Asp
            20              25                  30

Leu Thr Val Gly Ser Ser Ser Arg Pro His Leu Pro Leu Pro Thr Thr
        35              40                  45

Thr Lys Asn Ser Arg Gln Phe Leu Pro Gly Asn Asn Val Arg Ser Gln
    50                  55                  60

Ser Pro Glu Thr Gly Met Gly Phe Leu Glu Ser Gly Leu Asp Cys Leu
65                  70                  75                  80

Leu Trp Lys Thr Leu Pro Arg Ala Pro Xaa Cys Glu Ala Gln Ala Asp
            85                  90                  95

Gln Asp Pro Ser Asn Trp Xaa Pro Xaa Lys Leu Leu Xaa Pro Xaa Leu
            100             105                 110

Val Lys Ile
            115




<210> 7012
<211> 98
<212> PRT
<213> Homo sapiens

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<400> 7012
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Lys Ile Glu Gln Gln Thr Cys Leu Pro Asp Phe Leu Lys His Thr Lys
 1               5                  10                  15

Ser Tyr Gly Val Cys Ala Ile Ser Gly Met Gln Gly Ile Leu Asp Met
                20                  25                  30

Pro Gly Val Phe Gly Cys Leu Thr Pro Leu Glu Arg Gly Asn Gly Leu
                35                  40                  45

Cys Xaa Cys Thr Val Gly Ser Trp Ala Lys Asp Phe Asp Leu Cys Val
        50                  55                  60

Pro Ile Leu Gly Gln Gly Lys Val Pro Val Ser Thr Cys Arg Xaa Leu
65                  70                  75                  80

Gly Ile Asn Gln Arg Val Gly Arg Glu Asn Asn Xaa Ser Xaa Cys Leu
                85                  90                  95

Asp Thr
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<210> 7013
<211> 24
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7013
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His Glu Leu Pro Ser Lys Ile Ser Phe Glu Ile Ser Ile Leu Leu Leu
 1               5                  10                  15

Ser Lys Lys Lys Xaa Xaa Phe Xaa
                20
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6228

<210> 7014
<211> 27
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>
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<400> 7014
Gly Arg Ala Thr Met Asn Ser Xaa Leu Asn Xaa Leu Gly Phe Pro Ile
 1   5   10   15

Asn Ser Xaa Lys Asp Ile Xaa Xaa Phe Lys Lys
            20   25

<210> 7015
<211> 18
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<213> Homo sapiens

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<220>
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<400> 7015
Arg Gly Xaa Ala Ser Met Val Asn Xaa His Pro Leu Ser Xaa Asn Phe
 1               5                  10                  15

Trp Asn



<210> 7016
<211> 66
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7016
Ile Val Gln Asn Thr Leu Ser Asn Lys Asn Arg Val Tyr Ile Leu Leu
 1   5   10   15

Lys Leu Ile Gln Asn Ile Ser Pro Gly Xaa Xaa Thr Phe Trp Xaa Leu
            20   25   30

Gly Tyr Thr Leu Thr Asn Phe Lys Pro Val Lys Ser Xaa Gln Ser Leu
        35   40   45

Phe Ser Xaa Xaa Met Xaa Phe Asn Leu Lys Phe Thr Thr Xaa Arg Leu
    50   55   60

Pro Arg
 65

<210> 7017
<211> 46
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7017
Gln Ala Phe Gly Lys Ser Leu Gln Ile Leu Xaa Pro Pro Phe Tyr Lys
  1               5                  10                  15

Glu Arg Ala Gly Leu Val Ile Cys Pro Xaa Pro Phe Pro Gly Xaa Ile
              20                  25                  30

Xaa Thr Ser Thr Val Tyr Cys Xaa Val Leu Ser Xaa Phe Gln
          35                  40                  45



<210> 7018
<211> 33
<212> PRT
<213> Homo sapiens

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6232

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7018
Gly Asp Thr Asp Thr Xaa Ile Tyr Cys Ile Xaa Gly Asn Arg Gly Xaa
 1   5   10   15

Phe Pro Leu Arg Leu Pro Gly Asn Arg Phe Leu Gly Xaa Met Val Pro
             20   25   30

Glu

<210> 7019
<211> 28
<212> PRT
<213> Homo sapiens

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Phe Pro Val His Arg Pro His Arg Gly His Xaa Xaa Trp Pro Gly Cys
 1   5   10   15

Pro Ser Ser Cys Gly Asp Arg Ser Cys Gly Arg Trp
             20   25

<210> 7020
<211> 31
<212> PRT
<213> Homo sapiens

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<400> 7020
Gly Arg Xaa Gly Thr Ser Xaa Gly Val Pro Ser Lys Glu Ala Thr Val
  1               5                  10                  15


Pro Asp Leu Lys Xaa Lys Xaa Xaa Asp Gln Ile Met Val Thr Val
            20                  25                  30



<210> 7021
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6234

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<400> 7021
Gly Xaa Gly Glu Ala Ile Asn Xaa Leu Xaa Arg Phe Asp His Ile Tyr
 1               5                  10                  15

Thr Lys Xaa Leu Xaa Leu Glu Ile Pro
            20                  25



<210> 7022
<211> 74
<212> PRT
<213> Homo sapiens

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<400> 7022
Val Val Cys Xaa Cys Xaa Phe Leu Pro Val Ser Cys Leu Ser Val Asp
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6235

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        1               5                    10                   15

    Ile Lys Gly Val Leu Val Ser Leu Lys Met Thr Ile Val Ser Ser Val
                  20                  25                  30

    Ser Xaa Phe His Val Asn Leu Gln Leu Gly Thr Pro Leu Gln Lys Arg
              35                  40                  45

    Lys Ser Xaa Gly Arg Met Arg Glu Arg Lys Glu Xaa Lys Xaa Asp Cys
          50                  55                  60

    Ile Gly Pro Lys Gly Phe Pro Leu Ile Arg
     65                  70
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<400> 7023
Val Asp Leu Arg Gly Val Lys Glu Ile Asn Lys Gly Ile Phe Val Pro
  1               5                   10                  15

Xaa Phe Pro Trp Lys Gly Ser Gln Met Ala Ile Gly Glu Met Xaa Gly
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6236

```
            20                    25                    30
Met Asp Thr Xaa Pro Arg Ala Ala Ser Xaa Trp Xaa
            35                    40
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<210> 7024
<211> 17
<212> PRT
<213> Homo sapiens

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<400> 7024
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Pro Val Leu Met Xaa Leu Lys Val Gly Asp Gln Xaa Pro Gly Leu Asn
 1               5                   10                   15

Val
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<210> 7025
<211> 34
<212> PRT
<213> Homo sapiens

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<400> 7025
Cys Trp Gly Ser Lys Trp Gly Asp Gly Glu Leu Gly Ser Pro Xaa Ser
 1   5   10   15

Lys Gly Val Phe Leu Glu Thr Xaa Met Phe Trp Xaa Gln Arg Ala Xaa
                20   25   30

Xaa Gly

<210> 7026
<211> 51
<212> PRT
<213> Homo sapiens

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<222> (39)
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<400> 7026
Gly Arg Asn Leu Ile Lys Tyr Leu Xaa Val Arg Glu Ala Gly Arg Thr
 1   5   10   15

6238

Leu Glu Ser Tyr Ile Ser Ser Glu Tyr Gln Met Xaa Xaa Leu Arg Met
          20   25   30

Ser His Gln Ile Leu Cys Xaa Lys Tyr Ile Gly Ser Tyr Leu Thr His
          35   40   45

Tyr Ile Gly
     50

<210> 7027
<211> 54
<212> PRT
<213> Homo sapiens

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<400> 7027
Cys Leu Xaa Leu Arg Thr Leu Arg Ala Gly Tyr Gly Arg Glu Lys Lys
   1   5   10   15

Asn Xaa His Lys Asn Glu Ser Tyr Ser Lys Asn Thr Gly Pro Lys Lys
          20   25   30

Ser Phe Tyr Leu Lys Lys Leu Lys Cys Leu Ser His Tyr Lys Phe Leu
          35   40   45

Gly Leu Xaa Phe Phe Pro
     50

<210> 7028
<211> 33
<212> PRT
<213> Homo sapiens

6239

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<400> 7028
Leu Arg Leu Val Ile Asn Pro Trp Xaa Leu Phe Ala Thr Glu Asn Xaa
 1               5                  10                  15


Leu Val Leu Xaa Thr Leu Val Phe Ser Xaa Xaa Pro Trp Ile Thr Trp
            20              25                  30

Lys




<210> 7029
<211> 78
<212> PRT
<213> Homo sapiens


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<222> (5)
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6240

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<222> (69)
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<400> 7029
Ala Glu Val Phe Xaa Thr Ala Ser Asp Lys Lys Ile Val Ser Leu Trp
  1               5                  10                  15

Tyr Thr Pro Lys Ser Ser Ala Phe Lys Glu Ser Gln Thr Ile Thr Tyr
            20                  25                  30

Leu Ser Pro Leu Leu Phe Pro Pro Xaa Gln Ala Gly Phe Ile Xaa Val
          35                  40                  45

Tyr Leu Gly Phe Xaa Ser Ile His Arg Gly Thr Asp Ser Val Leu Ser
        50                  55                  60

Xaa Ile Leu Lys Xaa Tyr Trp Phe Ile Ile Ala His Phe Tyr
 65                  70                  75



<210> 7030
<211> 67
<212> PRT
<213> Homo sapiens

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<400> 7030
Thr Gly Ser Phe Leu Glu Trp Leu Leu Xaa Val Gly Ala Glu Ala Arg
 1   5   10   15

Pro Gly His Pro Ser Ala Trp Asp Thr Pro Arg Arg Arg Gly Arg Phe
            20   25   30

Leu Glu Val Gly Gly Leu Pro Leu Ala Leu Pro Ser Leu Xaa Leu His
            35   40   45

Thr Gly Gly Gly Leu Glu Xaa Xaa Thr Gly Xaa Leu Ile Val Lys Thr
    50   55   60

Phe Leu Phe
 65

<210> 7031
<211> 25
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7031
Val Pro Xaa Val Xaa Ile Pro Thr Leu Phe His Ile Phe Xaa Lys Cys
 1           5               10              15

Gly Val Phe Phe Leu Xaa Ala Trp Phe
            20              25


<210> 7032
<211> 32
<212> PRT
<213> Homo sapiens

<220>
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<400> 7032
Gly Thr Gly Arg Glu Arg Thr Ser Leu Gln Phe Phe Phe Phe Phe Phe
 1           5               10              15

Phe Lys Asn Trp Gly Gly Xaa Leu Gly Phe Xaa Lys Gly Xaa Gly Pro
            20              25              30
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6243

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<210> 7033
<211> 49
<212> PRT
<213> Homo sapiens

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<400> 7033
Ala Asp Leu Ser Pro Arg Xaa Leu Pro Tyr Tyr Gly Arg Glu Xaa Gly
 1               5                  10                  15

Leu Xaa Leu Leu Xaa Phe Ser Gly Lys Glu Ser Leu Gln Xaa Ser Met
            20                  25                  30

Ser Leu Gly Ser Phe Arg Arg Arg Xaa Glu Pro Arg Leu Ala Gly Arg
            35                  40                  45

Pro


<210> 7034
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6244

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<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<400> 7034
Gly Thr Arg Phe Phe Phe Phe Phe Phe Xaa Xaa Asn Xaa Xaa Leu Phe
  1               5                  10                  15

Xaa




<210> 7035
<211> 23
<212> PRT
<213> Homo sapiens

<220>
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6245

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 7035
Ala Glu Leu Glu Phe Phe Phe Phe Phe Phe Gln Arg Gly Gly Glu Val
 1   5   10   15

Xaa Arg Gly Leu Ser Xaa Xaa
            20

<210> 7036
<211> 75
<212> PRT
<213> Homo sapiens

<400> 7036
His Glu Arg His Glu Lys Leu Arg Asn Tyr Thr Lys His Ser Tyr Glu
 1   5   10   15

Ile Ser Gly His Gln Asp Asn Gln Lys Ile Ser Gln Ser Leu Pro Lys
                20   25   30

Arg Glu Lys Lys Ser His Ile Gln Arg Ile Arg Asn Leu Asn Gly Ala
            35   40   45

Glu Ile Leu Lys Ala Asn Phe Glu Val Arg Ala Gln Arg Lys Gln Glu
       50   55   60

Leu Leu Asn Ser Glu Gly Lys Gln Phe Leu Ser
 65   70   75

<210> 7037
<211> 88
<212> PRT
<213> Homo sapiens

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6247

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<400> 7037
Xaa Ser Gln Ser Lys Xaa Xaa Pro Gly Phe Arg Ser Tyr Pro Xaa Ser
 1   5   10   15

Gly Tyr Met Val Leu Val Ser Ile Phe Cys Xaa Phe Xaa Tyr Phe Gln
             20   25   30

Xaa Ser Leu Xaa Trp Tyr Tyr Met Val Lys Xaa Lys Leu Phe Phe Xaa
         35   40   45

Pro Asp Gln Gly Cys Xaa Ser Ser Pro Cys Leu Xaa Ser Val Pro Lys
     50   55   60

Xaa Val Phe Trp Gln His Ser Leu Val Ala Ala Gly Val Val Lys Phe
 65   70   75   80

Gly Pro Glu Lys Ala Xaa Xaa Lys
                 85

<210> 7038
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7038
Gly Arg Ala Leu Phe Tyr Tyr Ser Arg Phe Asn Asp Asn Arg Leu Leu
 1   5   10   15

6248

```
Cys Leu Ser Phe Asp Ile Leu Gln Ile Ser Lys Cys Ile Leu Leu His
            20                    25                30

Leu Glu Gly Asn Phe Val Val Leu Arg Lys Cys Xaa Gln Lys Met Lys
            35                    40                45
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<210> 7039
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (56)
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<400> 7039
Glu Asp Leu Tyr Tyr Lys Ile His Val Phe Thr Ser Val His Gly Thr
 1               5                  10                  15

Phe Ser Lys Ile Asp His Met Ile Gly His Lys Thr Ser Leu Ser Lys
            20                  25                  30

Phe Lys Lys Ile Lys Ile Ile Leu Ser Thr Leu Ser Glu His Ile Gly
            35                  40                  45

Ile Lys Ile Arg Lys Gln Leu Xaa Lys Gly Thr Leu Gln Asn His Lys
    50                  55                  60

Ile Cys Ala Xaa Xaa Thr His Xaa Leu Gln Ile Lys Gly Leu Xaa Xaa
 65                  70                  75                  80

Val Leu Pro Ala Xaa Gly Lys Gln Xaa Xaa Ala Gly Xaa Xaa Lys Pro
                85                  90                  95

Gly Phe Cys


<210> 7040
<211> 63
<212> PRT
<213> Homo sapiens

<220>
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6250

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<221> SITE
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<400> 7040
Leu Leu Ser Pro Leu Leu Leu Trp Lys Val Lys Phe Leu Asp Pro Arg
 1               5               10              15

Phe Asn Phe Lys Ile Val Asn Leu Ile Met Ser Gly Gly Asn Leu Leu
            20              25              30

Lys Lys Thr Leu Cys Ser Thr Ser Leu Val Ala Leu Cys Leu Xaa Met
        35              40              45

Thr Phe Arg Leu Pro Val Gln Lys Met Glu Asp Ile Lys Leu Cys
    50              55              60


<210> 7041
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
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<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7041
Gly Arg Glu Lys Glu Trp Asn His Val Lys Phe Ser Val Xaa Pro Xaa
 1               5               10              15

Xaa



<210> 7042
<211> 38
<212> PRT
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<213> Homo sapiens

<220>
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<400> 7042
Xaa Lys Thr Xaa Phe Leu Gly Leu Xaa Leu Cys Ser Leu Leu Gln Asp
 1   5   10   15

Leu Leu Cys Ser Val Asn Ile Xaa Cys Trp Val Gln Leu His Ala Pro
            20   25   30

Cys Cys Xaa Phe Thr Cys
         35

<210> 7043
<211> 69
<212> PRT
<213> Homo sapiens

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<221> SITE

6252

<222> (43)
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<220>
<221> SITE
<222> (56)
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<400> 7043
Leu Pro Gln Ala Gln Pro Val Ser Arg Leu Gln Leu Arg Pro Leu Leu
 1   5   10   15

Asn Ser Leu Tyr Val Val Gln Ser Glu Ser Pro Ser Gln Ser Thr Asn
            20   25   30

Leu Leu Xaa Leu Leu Cys Phe Lys Pro Phe Xaa Gly Ser Tyr Phe Gln
        35   40   45

Leu Asp Glu Val Gln Ala Cys Xaa Arg Ala Val Arg Val Thr Trp Pro
    50   55   60

Asp Pro Pro Leu Ile
65

<210> 7044
<211> 55
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7044
Ala Xaa Xaa Ile Arg Ala Ala Leu Glu Leu Gly Tyr Met Ala Asn Ile
 1   5   10   15

Phe Ser Lys Phe Ser Glu Leu Asn Leu Lys Phe Gln Gly Tyr Ala Ile
            20   25   30

Ser Lys Arg Lys Ser Thr Leu Ser Arg Asn Ile Val Leu Ala Asn Ile
        35   40   45

6253

His Tyr Lys Leu Ser Leu Phe
        50   55

<210> 7045
<211> 46
<212> PRT
<213> Homo sapiens

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<400> 7045
Ser Arg Xaa Ile Lys Leu Gln Leu Arg Gly Glu Lys Trp Val Thr Pro
  1   5   10   15

Gly Arg Ile His Leu Gly Trp Pro Ser Gly Arg Thr Glu Phe Thr Lys
              20   25   30

Leu Thr Xaa Ser Leu Val Xaa Gly Ile Tyr Xaa Gly Arg Xaa
          35   40   45

<210> 7046
<211> 60
<212> PRT
<213> Homo sapiens

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<400> 7046
Lys Phe Ser Ala Gly Gln Thr Lys His Ile Cys Glu Leu Asn Val Glu
 1               5              10                  15

Val Ile His Leu Lys Pro Leu Leu Gly Xaa Phe Phe Ser Thr Glu Phe
            20              25                  30

Ser Gln Leu Ser Arg Val Gly Thr Tyr His Lys Gly Xaa Lys Arg Val
         35              40                  45

Val Pro Arg Gly Pro Val Gly Val Gly Val Xaa Pro
    50              55                  60


<210> 7047
<211> 72
<212> PRT
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6255

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<400> 7047
Thr Ala Xaa Cys Ala Lys Leu Ala Lys Gly Trp Cys Ile Trp Gln Gly
 1               5                   10                  15


Ser Ile Leu Ile His Cys His Phe Phe Phe Phe Gly Xaa Xaa Xaa Ser
            20                  25                  30
```

```
Pro His Xaa Xaa Xaa Glu Lys Lys Pro Gly Arg Lys Gly Xaa Glu Xaa
        35              40              45

Glu Xaa Phe Phe Pro His Leu Ala Leu Leu Ser Xaa Glu Arg Leu Gly
    50              55              60

Pro Pro Val Phe Phe Pro Xaa Pro
65              70
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<210> 7048
<211> 41
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7048
Met Gln Gly Val Pro Leu Asn Gly Tyr Trp Cys Asn Pro Gly Gln Lys
 1               5              10              15

Ile Val Val Val Trp Xaa Arg Ile Met Gly Ser Arg Phe Gly Glu Thr
            20              25              30

Gly Xaa Glu Leu Gly Arg Thr Arg Lys
        35              40
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<210> 7049
<211> 60
<212> PRT
<213> Homo sapiens

<220>
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<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7049
Ile Val Lys Leu Ser Val Thr Val Tyr Thr Ser Val Ser Val Thr Leu
 1               5                   10                  15

Ile Asn Val Ser Leu Leu Leu Gln Met His Cys Ile Gly Lys Ala Arg
                20                  25                  30

Gly Ser Gly Ile His Arg Thr Gly Ser Gln Asn Ile Xaa Gln Val Ile
            35                  40                  45

Phe Val Gln Gly Asn Gly His Xaa Tyr Gly Ser Ser
        50                  55                  60


<210> 7050
<211> 40
<212> PRT
<213> Homo sapiens

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<400> 7050
Xaa Phe Phe Gly Thr Arg Arg Ser Pro Arg Thr Glu Ala Xaa Gln Gly
 1               5                   10                  15

Lys Pro Leu Xaa Leu Pro Val Asn Lys Asn Val Val Gly Lys Met Gln
                20                  25                  30

Thr Val Gly Trp Ile His His Leu
            35                  40


<210> 7051
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6258

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<211> 65
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7051
Ser Leu Xaa Xaa Leu Ser His Thr His Leu Leu Thr Ile Glu Thr Gly
 1               5                  10                  15

Asn Leu Xaa Ser Leu Leu Lys Gly Tyr Ser Glu Ala Thr Trp Ala Val
            20                  25                  30

Xaa Lys Thr Ile His Lys Gln Tyr Gly Met Phe Val Ser Asp Asn Arg
         35                  40                  45

Leu Gly Tyr Pro Leu Thr Xaa Trp Asn Pro Ala Ser Ala Leu Gly Ser
      50                  55                  60

Pro
65


<210> 7052
<211> 50
<212> PRT
<213> Homo sapiens
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6259

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7052
Lys Arg Gln Val Leu His Gln Glu Arg Arg Leu Leu Arg Arg Gly Glu
 1   5   10   15

Leu Ser Gln Ile Leu Leu Ser Phe Tyr Leu Thr Asp Ile Phe Ser Pro
            20   25   30

Tyr Xaa Pro Ser Asn Leu Asn Asn Ile Tyr Trp Thr Leu Leu Thr Arg
        35   40   45

Phe Thr
     50

<210> 7053
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7053
Ala Thr Phe Ser His Val Asn Leu Xaa Leu Ser Ser Gln Val Gln Leu
 1   5   10   15

Leu Xaa Leu Pro Val Gln Tyr Leu Phe Arg Thr Gln Ser Ser Xaa Gly
            20   25   30

Val Asn

<210> 7054
<211> 53
<212> PRT
<213> Homo sapiens

<220>
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<400> 7054
Ala Glu Pro Ala Trp Pro His Leu Leu Ala His Gly Xaa Gly Cys Pro
 1   5   10   15

Ala Glu Ala Leu Ala Xaa Ser Tyr Trp His Ser Ser Phe Xaa Arg Ile
            20   25   30

Ser Ile Leu Thr Glu Ser Phe Cys Arg Ser Cys Glu Leu Asn Tyr Asn
        35   40   45

Ser Lys Leu Trp Lys
    50

<210> 7055
<211> 45
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7055
Trp Lys Trp Ala Glu Asn Xaa Pro Phe Pro Arg Leu Gln Cys Val Arg
 1               5               10              15

Xaa Lys Glu Arg Gly Lys Lys His Asn Gly Leu Met Val Glu Asp Arg
            20              25              30

Phe Ile Xaa Lys Lys Thr Asn Pro Arg Xaa Ala Ser Gly
        35              40              45
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<210> 7056
<211> 20
<212> PRT
<213> Homo sapiens

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<400> 7056
Glu Ala Arg Lys Xaa Pro Leu Lys Ser Leu Phe Lys Ser Thr Gly Gln
 1               5               10              15

Glu Gly Xaa Xaa
            20
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6262

<210> 7057
<211> 103
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7057
Ser His Cys Thr Gln Pro Pro Leu Phe Leu Phe Lys Cys Xaa Val Ser
  1   5   10   15

Lys Pro Asn Gln Pro Phe Ser Thr Ala Ser Ile Ile Lys Ser Thr Glu
                20   25   30

Thr Asp Val Leu Ser Leu Asn Met Asn His Asp Ile Phe Ser Tyr Xaa
            35   40   45

Xaa Phe Asp Met Asn Ser His Thr Tyr Lys Asn Ser Val Tyr Leu Lys
        50   55   60

Gly Phe Tyr Glu Asn Tyr Phe Arg Phe Asn Phe Ile Asp Glu Ala Phe
 65   70   75   80

Thr Arg Lys Glu Thr Leu Leu Tyr Leu Ala Asp Val Ser Val Gln Phe
                85   90   95

Arg Ile Gln Gln Asn Phe Leu
               100

<210> 7058
<211> 31
<212> PRT
<213> Homo sapiens

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<400> 7058
Arg Val Gln Arg Pro Arg Gly Arg Xaa Cys Leu Ile Phe Ser Asn Asn
  1   5   10   15

Ser Gln Glu Ala Arg Trp Leu Gln Xaa Val Lys Glu Arg Arg Xaa
            20   25   30

<210> 7059
<211> 111
<212> PRT
<213> Homo sapiens

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<400> 7059
Cys Arg Leu Ser Xaa Leu Ala Cys Lys Xaa Thr Ser Arg Xaa Val Xaa
  1   5   10   15

Met Lys Leu Gln Arg Ser Xaa Gly Ala Ala Pro Pro Pro Ala Lys Gly
              20   25   30

Ser Xaa Xaa Xaa Lys Xaa Ala Glu Xaa Gly Xaa Ala Thr Ala Gly Pro
          35   40   45

Ser Arg Glu Gln Leu Lys Val Asp Leu Asp Asp Leu Val Ala Ala Xaa
      50   55   60

Cys Leu Tyr Cys Gly Glu Leu Met Ile Arg Ser Ile Asp Arg Pro Xaa
 65   70   75   80

Ile Asp Pro Lys Arg Tyr Glu Val Gly Xaa Ala His Leu Xaa Val Gly
              85   90   95

Gly Xaa Xaa Pro Phe Asn Gly Gly Trp Ala Met Gly Ser Met Asp
          100   105   110

<210> 7060
<211> 37
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<400> 7060
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Ser Xaa
 1               5                  10                  15


Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Xaa Thr Gly Lys Thr
             20                  25                  30


Gln Gly Ser Pro Xaa
         35




<210> 7061
<211> 78
<212> PRT
<213> Homo sapiens


<220>
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<223> Xaa equals any of the naturally occurring L-amino acids


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<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7061
Thr Thr Ser Trp Gly Xaa Pro Gly Phe Ile Xaa Xaa Ala Xaa Xaa Asn
 1               5                  10               15


Pro Xaa Lys Xaa Phe Xaa Gly Phe Xaa Leu Xaa Lys Phe Phe Trp Pro
            20                  25                  30


Phe Lys Lys Xaa Lys Lys Ile Xaa Asn Xaa Xaa Pro Xaa Phe Leu Lys
            35                  40                  45


Lys Phe Xaa Pro Xaa Leu Ser Pro Pro Trp Glu Ile Phe Gly Leu Lys
    50                  55                  60


Phe Asn Leu Xaa Phe Trp Gly Gly Phe Gly Gly Lys Lys Phe
 65                  70                  75



<210> 7062
<211> 24
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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6269

<400> 7062
Ala Ala Arg Ala Ala Xaa Gly Gly Ala Arg Tyr Pro Xaa Arg Pro Ile
 1   5   10   15

Met Xaa Arg Ile Thr Ile His Trp
            20

<210> 7063
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
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<400> 7063
Cys Ile Leu Xaa Gly Val Gly Asn Met Val Val Gly Met Ala Gly Ala
 1   5   10   15

His Thr Thr Lys Leu Leu Gly Pro Asp Pro Ser Gly Asp Thr Ser Leu
            20   25   30

Val Pro Leu Val Asn Ile Trp Val Gly Leu Leu Leu Thr Val Met Thr
            35   40   45

Ala Val Ser Val Gly Met Val Leu Ile His Gly Val Thr Val Ile Thr
        50   55   60

Thr Met Asp Thr Xaa Trp Trp Pro Thr Gly Tyr Cys Xaa Asp Trp Leu
 65   70   75   80

6270

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His Xaa Met Asp Val Ile Gly
                85


<210> 7064
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7064
Pro Leu Xaa Gly Gly Ala Asn Leu Gly Trp Asp Leu Arg Leu Ser Xaa
 1   5   10   15

Gly Ile Val Arg Glu Arg Xaa Phe Phe Pro Lys Ala Cys Phe Leu Asn
            20   25   30

Tyr Pro Leu Gly Val Asn Xaa Thr Ile Xaa Thr Pro Pro His Thr Leu
        35   40   45

Pro Phe Glu Gln Phe Ser Gln Leu His Leu Val Thr Ser Ile Ile Ser
    50   55   60

Pro Leu Pro Lys Phe Arg Phe Xaa Ile Xaa Xaa Xaa Xaa Pro His Pro
65   70   75   80

Arg Gly Lys Ser

<210> 7065
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
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<220>
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<220>
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<220>
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<400> 7065
Arg Xaa Asp Val Asn Cys Leu Lys Ser Gly Trp Ala Glu Asp Leu Gly
 1               5                   10                  15


Ser Xaa His Ala Ile Trp Asn Thr Asp Xaa Pro Xaa Leu Ala Xaa Val
            20                  25                  30


Gly Leu Phe Leu Xaa Phe His Thr Ser Pro Arg Pro Leu Gly Thr Ser
            35                  40                  45


Ala Lys Leu
    50




<210> 7066
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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6273

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<220>
<221> SITE
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<400> 7066
Ser Ile Ser Leu His Xaa Trp Glu Xaa Xaa Arg Glu Leu His Arg Gly
 1               5                  10                  15

Gly Ala Phe Xaa Leu Xaa Leu Gly Thr Ser Pro Gly Cys Asp Ala Asn
            20                  25                  30

Ile




<210> 7067
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7067
Arg His Glu Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser
 1               5                  10                  15

Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp
            20                  25                  30

Glu Thr Gln Lys Xaa Xaa
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<210> 7068
<211> 38
<212> PRT
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Xaa Ser Tyr Tyr Asn Ser Leu Ala Val Val Xaa Gln Arg Arg Asp Trp
             20                  25                  30

Asp Xaa Pro Xaa Leu Pro
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 1   5   10   15

Phe Gln Cys Phe Ala Val Trp Val Lys Leu Ile Pro Phe Gln Phe Pro
            20   25   30

Asn Pro Leu Xaa Xaa Thr Ala Phe Thr Pro Glu Lys Thr Phe Lys Val
            35   40   45

Ser Phe Pro Leu Tyr Xaa Trp Glu Phe Pro Glu Asn Phe Pro Xaa Asn
    50   55   60

Pro Ala Leu Gly Trp Val Phe Pro Phe Xaa Xaa
65   70   75

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6276

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Ala Trp Cys Phe Xaa Ala Ser Thr Thr Ser Ser Xaa Leu Ile Leu Ile
 1               5                  10                  15

Ala Thr Leu Xaa Glu Ile Trp Xaa Pro Xaa Ile Leu Ser Asp Phe Xaa
                20              25                  30

Val Thr Gln Leu Leu Asn Cys Gln Ala Arg Xaa Ser Leu Gly Gln Gly
            35                  40                  45

Asn Leu Xaa Glu Asn Pro
        50
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<210> 7071
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<400> 7071
Ile Asp Ile Ala Val Ile Lys Lys Ala Ile Asn Gly Gln Val Val Leu
 1               5                  10                  15

Ile Ile Ile Cys Phe Xaa Leu Ile Tyr Xaa Cys Xaa Pro Val His Xaa
            20                  25                  30

Ile Xaa


<210> 7072
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Asn Ile Leu Gly Ile Val Gly Thr Leu Ser Ser Val Phe Leu Lys Pro
 1                5                10                15


Ala Trp Phe Pro Phe Ala Ser Phe Ser Val Val Asn Thr Cys Ser Leu
              20                25                30


Ser Gly Gly Lys Met Gly Ser Ser Ser Tyr Trp Cys Pro Cys Ser Phe
          35                40                45


Lys Leu Val Asn Gln Asn Pro Ser Ile Thr Thr Phe Pro Val Ser Trp
     50                55                60


Trp Asp Trp Ile Trp Thr Val Leu Tyr Val Cys Leu Leu Leu His Gln
 65              70                75                80


Ser Cys Met Gly Ala Met Ile Phe His Ala Ser Leu Gly Leu Xaa Ser
              85                90                95


Ile Phe His Glu Xaa Pro Leu Xaa Asn Glu Phe Ile Phe Tyr Lys Phe
              100               105               110


Xaa Asn Ser Leu Ala Xaa
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<400> 7073
His Leu Ser His Lys Ile Tyr Glu Arg Phe Glu Phe Tyr Arg Ser Ile
  1               5                  10                  15

Pro Lys Gln Lys Thr Leu Ser Leu Phe Phe Phe Xaa Leu Lys Lys Xaa
             20                  25                  30

Asn Asn Tyr Phe Pro Phe Cys Cys Ile Val Pro Ser Lys Xaa Ile Cys
             35                  40                  45

Ala Ala Gln Ile Met Gly Trp Val Xaa Pro
     50                  55


<210> 7074
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 1               5                  10                  15

Leu Xaa Xaa Arg Xaa Arg Pro Phe Pro Leu Gly Gln Pro Lys Gly Xaa
            20                  25                  30

Xaa Xaa Xaa Arg Xaa Lys Lys Pro Leu Gly Ser Gln Ile Pro Xaa Xaa
            35                  40                  45

Lys Asp Leu Xaa Lys Thr Gln Xaa Arg Xaa Gln Xaa Pro Pro Leu Thr
        50                  55                  60

Gln Arg Xaa Lys Phe Gly Gly Gly Ser Lys Arg Gln Phe Xaa Phe Leu
 65                  70                  75                  80

Gly Gln Lys Phe Xaa Gln Phe Leu Gly Asn Gln Lys Lys Xaa Gly Leu
                85                  90                  95

Lys Ile Xaa Phe Leu Lys Glu.Pro Ser Leu Pro Xaa Arg Xaa Ile Phe
```

6284

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                  100                    105                    110
     Lys Xaa Pro His Ile Phe Tyr Xaa Xaa Glu Lys Lys Xaa Thr Xaa Pro
             115                    120                    125

     Leu Gly Xaa Xaa Lys Ser Xaa
             130                    135
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<210> 7075
<211> 118
<212> PRT
<213> Homo sapiens

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6286

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<400> 7075
Xaa Pro Gly Xaa Ala Leu Cys Pro Glu Xaa Thr Gln Gln Pro Xaa Thr
 1               5                  10                  15

Xaa Leu Asn Xaa Val Gly Ile Leu Gln Asn Xaa Ser Xaa Xaa Lys Leu
            20                  25                  30

Xaa Lys Pro Val Leu Lys Leu Ile Pro Trp Pro Gly Xaa Ser Ile Pro
            35                  40                  45

Xaa Xaa Pro Ala Asn Asp Pro Ser Xaa Ile Ala Leu Asn Asp Xaa Pro
        50                  55                  60

Phe Xaa Thr Ile Arg Gln Gly Arg Glu Gly Ser Lys Thr Xaa Xaa Pro
65                  70                  75                  80

Ser Pro Phe Thr Gln Xaa Lys Ile Gln Xaa Trp Gly Pro Pro Lys Leu
                85                  90                  95

Gly Xaa Leu Gly Xaa Xaa Tyr Arg Lys Val Thr Pro Glu Leu Thr Gly
            100                 105                 110

Arg Gly Leu Lys Ile Phe
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6287

115

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<400> 7076
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 1               5                  10                  15

Ser Xaa Val Val Gly Lys Phe Xaa Ile Thr Phe Leu Tyr Lys His Val
              20                  25                  30
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6288

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Glu Ser Xaa Arg Ile Gln Ser Xaa Tyr
        35                  40
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<400> 7077
Pro Xaa Leu Val Pro Xaa Gly Glu Ile Phe Gly Asp Pro Trp Gly Asn
 1   5   10   15

Pro Xaa Ala His Arg Xaa Lys Ser Pro Cys Xaa Gly Gly Ser Gln Pro
         20   25   30

Trp Ala Arg Lys Thr Gly Pro Pro Leu Xaa Xaa Phe Xaa Lys Gly Arg
         35   40   45

Arg Val Xaa Ile Ser Xaa Gly Ile Ser Lys Thr Leu Xaa Arg Lys Ser
     50   55   60

<210> 7078
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6290

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<400> 7078
Val Trp Gly Lys Leu Thr Phe Leu Xaa Gln Asn Ser Lys Ala Pro Ser
 1               5                  10                  15

Xaa Val Lys Gly Arg Pro Phe Arg Val Lys Xaa Xaa Lys Pro Arg Ala
            20                  25                  30

Pro Ser
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<213> Homo sapiens

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<400> 7079
Thr Ala Ser Ser Gln Ser Pro Ser Asp Asp Xaa Ser Gly Phe Gln Trp
 1               5                  10                  15

Xaa Pro Arg Leu Lys Leu Ser Gly Phe Pro Pro Thr Phe Ser Pro Lys
            20                  25                  30

Gly Glu Ile Ala Met Arg Phe Ala Thr Ala Gly Ser Pro Ser Val Arg
            35                  40                  45

Asn Leu Arg Leu Cys Tyr Pro Trp Cys Leu Gly Ala Val Phe Leu Thr
        50                  55                  60

Val Ile
65
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6293

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<400> 7080
Xaa Lys His Xaa Ile Xaa Xaa Thr Gln Xaa His Pro Xaa Phe Xaa Xaa
 1               5                  10                  15

Leu Xaa Val Leu Asn Leu Gly Thr Lys Xaa Leu Pro Gln Phe Phe Lys
              20                  25                  30

Lys Pro Xaa Glu Leu Val Ser Pro Ile Pro Xaa Xaa Asn Trp Xaa Pro
         35                  40                  45

Xaa Arg Xaa Lys Lys Xaa Gly Leu Gly Pro Leu Gly Leu Thr Leu Gly
     50                  55                  60

Lys Lys Gly Leu Xaa Xaa Ser Pro Lys Xaa Pro Xaa Ile
65                  70                  75


<210> 7081
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<212> PRT
<213> Homo sapiens

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<400> 7081
Ala Lys Lys Xaa Xaa Pro Phe Leu Ala Xaa Arg Gly Lys Lys Asp Pro
  1               5                   10                  15


Lys Lys Ala Phe Lys Xaa Asn Pro Pro Pro Glu Lys Thr Pro Gly Thr
              20                  25                  30


Xaa Arg Leu Asn Pro Leu Lys Gly Asn Gln Ala Phe Lys Lys Arg Lys
          35                  40                  45


Ala Thr Asn Pro Pro Val Pro
      50                  55




<210> 7082
<211> 151
<212> PRT
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6297

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Ala Leu Xaa Pro Cys Xaa Ser Ser Leu Gly Xaa Pro Ala Pro Arg Lys
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Xaa Xaa Trp Gly Ser Phe Arg Gly Ala Pro Arg Lys Xaa Lys Arg Xaa
            20   25   30

Pro Leu Xaa Pro Xaa Xaa Leu Ser Ser Pro His Gly Gly Pro Phe Xaa
        35   40   45

Leu Lys Lys Gly Xaa Lys Leu Pro Lys Pro Pro Lys Pro Phe Glu Xaa
    50   55   60

Xaa Arg Asn Phe Pro Phe Pro Pro Xaa Xaa Gly Gly Gly Pro Xaa Pro
65   70   75   80

Pro Asn Phe Leu Xaa Lys Lys Xaa Phe Pro Pro Leu Gly Lys Asp Leu
            85   90   95

Gln Ile Gly Phe Gly Gln Arg Pro Leu Xaa Ile Xaa Asn Lys Ala Thr
            100   105   110

Xaa Gly Gly Lys Xaa Thr Gln Lys Ser Leu Gly Gly Xaa Thr Pro Arg
        115   120   125

Pro Glu Xaa Ala Pro Thr Arg Pro Leu Ala Phe Gly Asn Gln Leu Gly
    130   135   140

Leu Pro Asn Gln Xaa Ile Pro
145   150

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 1               5               10               15


Ser Ser Val Ile Tyr His Ile Xaa Asn Leu Gly Pro Gly Xaa Xaa Phe
            20               25               30


Ser Pro Asn Arg Ser Gly Cys Asn Leu Gly Gly Lys Xaa Pro
         35               40               45




<210> 7084
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Thr Lys Gly Pro Xaa Xaa Lys Lys Gly Gly Leu Ser Leu Xaa Lys Thr
 1               5                  10                  15


Xaa Lys Ile Trp Glu Ile Lys Xaa Phe
                20                  25




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Lys Arg Gly Pro Pro Leu Gly Lys Lys Leu Glu Leu His Arg Gly Gly
 1               5                  10                  15


Gly Arg Ser Thr Thr Asn Trp Ile Pro Arg Ala Ala Gly Xaa Leu His
                20                  25                  30


Glu Xaa Ala Glu Trp Tyr Val Trp Ser Xaa Ser Arg Xaa Lys
                35                  40                  45
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6300

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 1               5                  10                  15

Gly Trp Cys Trp Arg Ala Trp Pro Val
            20                  25



<210> 7087
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6301

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6302

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Leu Val Pro Asn Ser Ala Arg Xaa Leu Tyr Leu Met Lys Leu Leu Gly
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Asn Gly Val Phe Pro Ser Val Thr Xaa Xaa Ile Ser Trp Xaa His Pro
            20   25   30

Ile Ile Pro Xaa Xaa Xaa Thr Thr Xaa Asn Phe Pro Xaa Gly Gly Pro
            35   40   45

Xaa Xaa Arg Val Lys Xaa Cys Leu Ile Leu Glu Gln Lys Xaa Phe Pro
    50   55   60

Trp Gly Gly Ser Asn Pro Leu Trp Pro Ile Met Phe Gly Ser Arg Trp
65   70   75   80

Leu Gly Pro Leu Ala Trp Gly Phe Leu Leu Gly Asn Xaa Ser Leu Pro
            85   90   95

Phe Xaa Xaa Gly Thr Xaa Pro Cys Leu Ala Ile Pro Leu Phe Phe Gln
            100   105   110

Ser Ser Leu Trp
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<210> 7088
<211> 130

6303

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<212> PRT
<213> Homo sapiens

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6305

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Xaa Xaa Lys Lys Xaa Gly Lys Lys Xaa Pro Ser Xaa Xaa Leu Phe Pro
 1               5                  10                  15


Gln Gly Phe Lys Xaa Val Trp Xaa Pro Lys Lys Gly Phe Asn Pro Xaa
            20                  25                  30


Xaa Asn Leu Xaa Pro Phe Pro Xaa Xaa Phe Gly Glu Thr Xaa Xaa Leu
            35                  40                  45
```

6306

```
Asn Xaa Gly Lys Ile Xaa Xaa Gly Gly Gly Phe Phe Xaa Ile Trp Xaa
    50              55              60
```

```
Phe Pro Pro Pro Lys Xaa Xaa Leu Xaa Lys Lys Thr Pro Pro Pro Xaa
65              70              75              80
```

```
Phe Phe Xaa Gly Gly Lys Lys Arg Xaa Phe Pro Lys Lys Asn Phe Gly
            85              90              95
```

```
Xaa Xaa Ile Phe Phe Leu Lys Asn Leu Lys Pro Pro Pro Pro Phe Gly
            100             105             110
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Lys Thr Phe Gly Gly Glu Thr Gln Thr Pro Lys Pro Lys Gly Pro Phe
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Phe Lys
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Thr Leu Glu Arg Ser Leu Gly Leu Xaa Asn Ile Xaa Lys Ile Xaa Glu
 1   5   10   15

Trp Ser Trp Ala Leu Lys Xaa Thr Tyr Gln Glu His Gln Glu Asn Ser
                20   25   30

Ile Xaa Ile Gln Tyr Lys Ser Tyr Xaa Ser Arg Pro Ile Ile Ser Phe
        35   40   45

Glu Leu Glu Lys Pro Asn Gly Glu Pro Leu Thr Gln Ile Asn Thr Leu
    50   55   60

Ser Phe Ser Gln Leu Gly Ala Arg His Leu
 65   70

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<400> 7090
Val Phe Phe Phe Phe Phe Xaa Phe Glu Lys Cys Asn Ile Phe Pro Xaa
 1   5   10   15

Phe

<210> 7091
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<212> PRT
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<400> 7091
Ala Arg Ser Xaa Pro Leu Leu Xaa Glu Gln Met Xaa Ala Xaa Pro Pro
 1   5   10   15

Lys Val Ala Ala Val Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Xaa
            20   25   30

<210> 7092
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<400> 7092
Phe Arg Val Ile Leu Leu Pro Lys Asp Gly Lys Ile Lys Ser Arg Thr
 1               5                  10                  15

Lys Ser Asn Xaa Xaa Glu Xaa Xaa Ser Ile Ser Ser Thr Tyr Cys Gly
                20              25                  30

Ile Thr Ala Thr Lys Ala Leu Asp Gly Lys Ile Ile Leu Ser Cys Phe
            35                  40                  45

Leu Cys Phe Lys Xaa Ser Pro Arg Ser Asn Val Xaa Gly Leu Gly Thr
        50                  55                  60

Gly Ile Ile Xaa Leu Gln Leu Xaa Leu Lys Asn Ser Gly Tyr His Ser
65                  70                  75                  80
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Trp Xaa

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<400> 7093
Xaa Leu Xaa Xaa Ser Pro Ile Ile Lys Gly Thr Xaa Ala Gly Xaa Ser
 1   5   10   15

Thr Glu Ser Gly Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln

6311

```
                    20                25                30

Glu Phe Xaa Thr Ser Xaa Ile
         35



<210> 7094
<211> 71
<212> PRT
<213> Homo sapiens

<400> 7094
Arg Met Ser Tyr Leu Lys Gly Met Cys His Leu Leu Cys Asn Cys Ile
 1               5               10              15

Pro Thr Arg Ser Tyr Ile Asn Val Leu Arg Gln Gln His Leu Trp Ser
             20              25              30

Lys Cys Gln Ala Ser Arg Gly Thr Leu Val Lys Gly Ser Ser Gly Leu
         35              40              45

Ile Trp Ile Cys Arg Phe Leu His Phe Cys Tyr Lys Ile Tyr Ser Pro
     50              55              60

Leu Lys Leu Pro Leu Val Leu
 65              70



<210> 7095
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6312

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<400> 7095
Cys Ala Xaa Ala Xaa Leu Leu Thr Lys Gly Thr Asn Ser Ala Pro Pro
 1               5                  10                  15

Pro Lys Val Ala Ala Xaa Leu Glu Leu Val Asp Pro Pro Gly Cys Arg
            20                  25                  30

Ser Ser Pro Arg Ala Ala Lys Gln Xaa Xaa Arg Xaa Cys Xaa Cys Arg
            35                  40                  45

Gly Val Tyr His Ala Phe Lys Lys
        50                  55




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<400> 7096
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
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6313

```
    1              5              10             15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
            20                 25                 30

Gly Xaa Pro Lys Xaa
         35
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<210> 7097
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<400> 7097
Xaa Pro His Gln Gln Lys Glu Leu Leu Xaa Ser Met Phe Gly Lys Gln
    1              5              10                 15

Pro Gly Gln Gly Arg Asn Ser Arg Gly Asn Xaa Lys Met Val Leu Phe
            20                 25                 30
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6314

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Pro Asn Pro Xaa Xaa Xaa Pro Asn Val
         35                  40
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<210> 7098
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7098
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr Gly Lys Pro
             20                  25                  30

Lys Xaa Xaa
         35
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<210> 7099
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6315

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<400> 7099
Xaa Xaa Asn Ser Xaa Gly Lys Val Thr His Trp Trp Gly Ala Leu Asn
  1   5   10   15

Ser Gly Ser Gly Gly Cys Arg Ile Arg His Glu Leu Xaa Pro Xaa Ser
            20   25   30

Val Xaa Tyr Xaa His Leu Leu Pro Pro Cys Xaa
        35   40

<210> 7100
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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6316

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<400> 7100
Ala Arg Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile
 1                   5                  10                  15

His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Asn Pro Xaa Xaa
            20                  25                  30

Xaa
```

```
<210> 7101
<211> 23
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<400> 7101
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6317

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Ala Arg Ala Glu Phe Gly Thr Arg Phe Phe Phe Phe Xaa Gly Xaa
 1               5                  10                  15

Leu Phe Xaa Xaa Ile Thr Leu
            20
```

<210> 7102
<211> 27
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7102
```
Leu Phe Ile Xaa Arg Asp Xaa Gly Ala His Asn Cys Xaa Val Asp Ile
 1               5                  10                  15

Asp Leu Xaa Cys Glu Asn Ile Ser Thr Leu Glu
            20                  25
```

<210> 7103
<211> 85
<212> PRT
<213> Homo sapiens

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6318

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7103
Leu Leu Leu Leu Cys Asn Ala Xaa Arg His Xaa Pro Trp Asp His Val
 1               5                   10                  15

Ser Phe Asn Lys His Ile Gln Xaa Ala Leu Xaa Glu Leu Met Ala Ser
            20                  25                  30

Lys Ala Gln Xaa Xaa Cys Phe Lys His Ser Ala Ile Ser Xaa His His
            35                  40                  45
```

```
Leu Leu Ala Ser Ile Cys Ser Val Gly Phe Leu Pro Ser Ser Leu Met
    50              55              60

Thr Gly Leu Tyr Xaa Lys Lys Leu Pro Pro Glu Thr Tyr Leu Xaa Leu
65              70              75              80

Ser Leu Leu Cys Leu
                85
```

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<210> 7104
<211> 70
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7104
Arg Ser Leu Phe His Val Gly Lys Leu Leu Ala Ile Ser Val Ser Cys
 1               5               10              15

Val Tyr Ala Tyr Val Thr Glu Cys Leu Lys Phe Leu Gln Lys Leu Ser
                20              25              30

Lys Gln Lys His Thr Glu Val His Leu Leu Gly Glu Asp Ile Val Gly
            35              40              45

Leu Ile Ile Tyr Pro Gly Thr Leu Arg Asn Glu Met Glu Ala Gly Asn
    50              55              60

Xaa Asp Gly Met Gln Ile
65                  70
```

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<210> 7105
<211> 37
<212> PRT
<213> Homo sapiens

<220>
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<220>
<221> SITE
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6320

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<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7105
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
 1               5                   10                  15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
             20                  25                  30

Gly Lys Xaa Lys Xaa
         35




<210> 7106
<211> 94
<212> PRT
<213> Homo sapiens

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6321

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7106
Ala Pro Pro Cys Gly His His Pro Cys Arg Ile Ile Cys Glu Asn Asn
 1               5                  10                  15

Pro Xaa Pro Arg His Xaa Gly Gln Leu Ser Phe Val Ala Leu Glu Ile
            20                  25                  30

Xaa Gly Val Pro Pro Leu Asp Pro Arg Ala His Ser Pro Ser Thr Thr
        35                  40                  45

Xaa Val Ser Ala Ala His Gln Ile Val Pro Thr Lys Lys Met Leu Cys
    50                  55                  60

Glu Pro Ile Cys Val Ala Asn Arg His Gly Glu Xaa Ala Asp Phe Gln
65                  70                  75                  80

Xaa Arg Leu Pro Xaa Val Thr Xaa Lys Pro Glu Leu Gly Ser
                85                  90


<210> 7107
<211> 33
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (21)
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<400> 7107
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6322

```
Gly Val Phe Leu Xaa Thr Ser Gly Ser Xaa Gly Leu Asp Glu Cys Gly
 1               5               10              15

Pro Ser Tyr Gly Xaa Val Pro His Pro Pro Pro Cys Ser Pro Glu Pro
            20              25              30

Pro
```

<210> 7108
<211> 79
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7108
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Trp Cys Gly Gly Ser Trp Glu Leu Cys Ser Phe Gly Pro Gln Thr Pro
 1               5               10              15

Pro Glu Ser Ala Val Cys Ala Phe Ile Asp Val Pro Leu Leu Cys His
            20              25              30

Val Leu Ser Gln Ala Val Ala Ala Ala Cys Ser Ala Leu Phe Phe Ile
            35              40              45

Leu Glu Pro Asp Glu Leu Leu Thr Val Asp Ser Val Ile Ser Phe Arg
    50              55              60

Met Pro Ala Pro Cys Pro Cys Ser Xaa Val Phe Ser Val Leu Pro
 65              70              75
```

<210> 7109
<211> 27
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

6323

<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7109
Ile Ser Xaa Leu Val Tyr Val Asn Phe Glu Arg Leu His Asp Phe Leu
 1   5   10   15

Thr Xaa Ile Asp Leu Asp Ala Val Glu Val Val
             20   25

<210> 7110
<211> 43
<212> PRT
<213> Homo sapiens

<220>
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<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7110
Ser Cys Arg Met Xaa Leu Xaa Leu Lys Gly Thr Lys Ala Gly Ser Ser
 1   5   10   15

Thr Ala Ser Gly Gly Xaa Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln
             20   25   30

Glu Phe Xaa Xaa Ser His Leu Pro Val Ile Arg
             35   40

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<210> 7111
<211> 32
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7111
Lys Xaa Asn Gly Gly Leu Asp Leu Asn Xaa Val Xaa Xaa Gly Leu Gly
 1               5                  10                 15

Xaa Ala Pro Pro Lys Lys Ser Phe Phe Phe Ser Glu Leu Xaa Gly Ser
            20                  25                 30


<210> 7112
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<211> 69
<212> PRT
<213> Homo sapiens

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<220>
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<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7112
Gly His Ser Leu Gly Lys Gly Ala Leu Xaa Phe Gly Ser Cys Gly Lys
 1               5                  10                  15


Met Ser Pro Pro Glu Arg Glu Ala Ala Leu Asn Xaa Val Xaa Thr Trp
            20                  25                  30
```

6326

```
Ala Val Gly Leu Thr Ser Xaa Gln His Xaa Xaa Lys Gly Xaa Gly Gly
        35              40              45

Leu Leu Pro Ala Leu Ile Lys Gly Gln Asn Phe Pro Pro Phe Gln Lys
    50              55              60

Xaa Gly Leu Pro Leu
 65
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<210> 7113
<211> 34
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7113
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5               10              15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Xaa Xaa
            20              25              30

Lys Xaa
```

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<210> 7114
<211> 77
<212> PRT
<213> Homo sapiens

<220>
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6327

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7114
Val Phe Phe Ser Phe Leu Gln Leu Leu Asp Asn Ala Leu Pro Tyr Gly
 1               5               10              15

Trp Ala Gln Lys His Ser Lys Phe Trp Gly Ser Phe Leu Ser Gln Phe
            20              25              30

Leu Val Glu Gly Trp Gly Ile Pro Val Leu Lys Arg Ile Ser Tyr Ala
        35              40              45

Xaa Ile Val Ile Val Ile Leu Thr Thr Arg Arg Pro Ala Leu Ile Ile
    50              55              60

Leu Ser Ser Phe Leu Gln Met Phe His Leu Gly Pro Xaa
65              70              75


<210> 7115
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7115
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5               10              15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Asp Xaa Lys
            20              25              30


<210> 7116
<211> 46
<212> PRT
<213> Homo sapiens
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<400> 7116
Arg Tyr Tyr Lys Gly Arg Phe Ile Phe Lys Leu Gln Phe Leu Lys Val
 1               5                  10                  15


Ile Ile Asp Ser Val Val His Ser Ile Val Ile Asn His Trp Val Ser
            20              25                  30


Ser Val Ile Phe Val Tyr Gln Met Ile Asn Phe Gln Phe Arg
        35              40                  45




<210> 7117
<211> 61
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7117
Ser Leu Ile His Val Arg Val Ser Glu Phe Ile His Leu Ser Glu Phe
 1               5                  10                  15


Arg Asn Phe Thr Leu Lys Leu Asn Phe His Tyr Ile Gln Ala Val Val
            20              25                  30


Glu Phe Phe Ser Glu Ser Leu Ile Xaa Phe Leu Ile Xaa Lys Ile Pro
        35              40                  45


Ile Val Ser Ser Ile Asn Ala Leu Ile Lys Tyr Cys Thr
        50              55                  60




<210> 7118
<211> 32
<212> PRT
<213> Homo sapiens

<220>
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6329

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7118
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Asp Xaa Xaa
            20                  25                  30




<210> 7119
<211> 20
<212> PRT
<213> Homo sapiens

<220>
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<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7119
Ala Arg Val Phe Phe Phe Phe Leu Gly Gly Pro Lys Phe Tyr Xaa Leu
 1               5                  10                  15

Phe Xaa Lys Lys
            20




<210> 7120
<211> 65
<212> PRT
<213> Homo sapiens

<220>
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<222> (9)
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6330

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<222> (51)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7120
Leu Gly Cys Ser Phe Leu Ile Ile Xaa Tyr Ile Thr Glu Asn Trp Thr
 1               5                  10                  15

Phe Thr Phe Ser Tyr Leu Ala Phe Pro Phe Asn Pro Lys Ile Ser Val
                20                  25                  30

Phe Ser Ser Xaa Lys Arg Ser Pro Phe Gln Leu Trp Xaa Gln Pro Pro
            35                  40                  45

Trp Xaa Xaa Ile Lys Leu Pro Leu Leu Xaa Phe Leu Asn Ile Trp Asn
        50                  55                  60

Leu
 65



<210> 7121
<211> 58
<212> PRT
<213> Homo sapiens

<220>
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<221> SITE
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<220>
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<220>
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<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7121
Gly Ser Arg Leu Glu Xaa Asp Leu Gly Arg Arg Gln Ser Leu Thr Pro
  1               5                  10                  15

Ile Gly Val Arg Xaa Glu Asp Leu Leu His Ser Ser Ser Val Asp Asn
             20              25              30

His Asn Gly Xaa Pro Arg Lys Gly Leu Ser Cys Phe Gly Leu Leu Xaa
         35              40              45

Val Xaa Ala Val Xaa Cys His Ser Gly Xaa
     50              55


<210> 7122
<211> 37
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<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7122
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
              20                  25                  30

Asn Xaa Xaa Xaa Xaa
          35




<210> 7123
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7123
Leu Ser Trp Thr Glu Val Cys Gln Ser Arg Tyr Cys Ile Thr Ile Leu
 1               5                  10                  15

Leu Val Leu Thr Val Phe Thr Xaa Leu Asn Gly Lys Pro Thr Gly Tyr
              20                  25                  30
```

6333

```
Phe Leu Lys Leu Pro Leu
          35
```

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<210> 7124
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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<222> (10)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7124
Pro Pro Pro Phe Phe Leu Gly Lys Phe Xaa Tyr Pro Xaa Pro Pro Pro
  1               5                   10                  15

Phe Xaa Phe Pro Xaa Lys Xaa Lys Phe Phe Xaa Asn Pro Arg Leu Pro
```

6334

```
                    20                25                30

Xaa



<210> 7125
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<222> (67)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids
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6335

<220>
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<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7125
Met Gly Val Leu Val Thr Ala Lys Arg Leu Arg Ser Val Pro Thr Pro
 1   5   10   15

Val Xaa Phe Pro Gly Arg Gly Arg Leu Ser Arg Arg Glu Arg Lys Ala
            20   25   30

Xaa Xaa Gly Xaa Lys Val Met Arg Gly Xaa Lys Glu Asp Thr Glu Thr
        35   40   45

Leu Lys Val Glu Pro Val Trp Thr Gln Xaa Lys Glu Ser Leu Arg Ile
    50   55   60

Ser Met Xaa Glu Lys Glu Lys Lys Arg Ile Ser Arg Ile Val Leu His
65   70   75   80

Xaa Leu Leu Val Lys Ala Pro Gly Asn Xaa His
                85   90

<210> 7126
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7126
Glu Cys Arg Pro Pro Glu Asn Gln Ala Glu Asp Cys Gly Val Arg Cys
 1   5   10   15

Pro Arg Xaa Val Ser Ala Ser Ser Gly Ala Thr Ser Lys Ser Ser Ser
            20   25   30

Met Asn Pro Thr Glu Thr Lys Ser Leu His Arg Gly Lys Glu Arg Asn
            35   40   45

Glu Lys Leu Ile Leu Leu Met Glu Thr Phe Ala Glu Lys Asn Leu His
    50   55   60

<210> 7127
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<400> 7127
Ile Asn Ala Ser Xaa Leu Xaa Thr Pro Xaa Leu Ile Tyr Xaa Gly Leu
 1   5   10   15

Asn Phe Cys Leu Leu Cys Ala
            20

<210> 7128
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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6337 ·

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<220>
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<400> 7128
Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile
 1   5   10   15

His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro Lys Xaa Xaa
              20   25   30

Xaa

<210> 7129
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7129
Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr
 1   5   10   15

Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Val Lys Pro
              20   25   30

```
Xaa Xaa Ser Phe Xaa Xaa
            35
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<210> 7130
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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<400> 7130
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Xaa Pro
            20                  25                  30

Lys
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<210> 7131
<211> 16
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<213> Homo sapiens

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<400> 7131
Gly Lys Arg Pro Thr Ala Ser Ile Xaa Thr Cys Asn Xaa Ser Cys Xaa
 1               5                  10                  15
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6339

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<210> 7132
<211> 43
<212> PRT
<213> Homo sapiens

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<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7132
Asn Leu Thr Lys Gly Thr Lys Leu Asn Phe His Arg Gly Gly Xaa Ala
 1               5                  10                  15

Val Xaa Lys Leu Leu Asp Xaa Pro Gly Leu Gln Gly Ile Pro Glu Gln
            20                  25                  30

Pro Lys Met Ala Glu Val Gln Val Leu Gly Cys
        35                  40


<210> 7133
<211> 43
<212> PRT
<213> Homo sapiens

<220>
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<400> 7133
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15
```

6340

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
              20   25   30

Gln Thr Phe Ser Phe Pro Leu Tyr Xaa Pro Thr
          35   40

<210> 7134
<211> 78
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<400> 7134
Asn Pro Pro Ser Gly Glu Ile Ser Leu Gly Pro Ser Asn Phe Gln Phe
  1   5   10   15

Phe Asn Gln Pro Lys Thr Pro Thr Pro Gln Asn Leu Tyr Phe Phe Tyr
              20   25   30

Phe Lys Asn Pro Phe Lys Xaa Pro Asn Xaa Gly Gly Pro Ile Pro Pro
          35   40   45

Pro Leu Phe Xaa Phe Glu Lys Pro Xaa Gly Gly Gly Pro Xaa Phe Leu
     50   55   60

6341

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Lys Phe Leu Phe Trp Gly Gly Phe Phe Pro Gly Leu Ser Leu
 65                     70                  75
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<210> 7135
<211> 54
<212> PRT
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<400> 7135
Thr His Xaa Cys Leu Thr Val Ala Glu Leu Phe Glu Leu Leu Ile Gln
 1               5                   10                  15


Cys Xaa Leu Xaa Phe Asn Arg Ser Asn Pro Leu Pro Tyr Pro Leu Xaa
            20                  25                  30
```

6342

```
Ala His Val Phe Leu Thr Leu Pro Gly Cys Xaa Asn Asn Ser Pro Xaa
          35                  40                  45

Xaa Trp Ser Phe Pro Gln
     50
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<210> 7136
<211> 34
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<400> 7136
Pro Pro Leu Trp Pro Val Gly Xaa Ser Pro Glu His Cys Ala Val Gly
  1             5               10                  15

Pro Ser Trp Ser Xaa Leu Leu Xaa Gly Thr Val Glu Arg Pro Ser Ser
            20                  25                  30

Ser Lys
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<210> 7137
<211> 82
<212> PRT
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<220>
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6344

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7137
Leu Xaa Gly Leu Asn Xaa Thr Pro Arg Arg Gly Gly Arg Ser Xaa Ile
 1   5   10   15

Val Asp Pro Pro Gly Cys Xaa Asn Ser Ala Arg Ala Glu Arg Thr Ser
            20   25   30

Leu Cys Tyr Glu Phe Xaa Ser Leu His Xaa Lys Val Lys Phe Ser Xaa
        35   40   45

Met Ile Leu Leu Ala Val Xaa Xaa Arg Xaa Ser Val Thr Val Xaa Leu
    50   55   60

Thr Xaa Xaa Ser Trp Xaa Thr Ser Ala Arg Ile Leu Ser Pro Xaa Ser
65   70   75   80

Ala Ala

<210> 7138
<211> 53
<212> PRT
<213> Homo sapiens

<220>
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<222> (49)
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<400> 7138
Gly Gly Gly Arg Leu Gly Gly Arg Gly Xaa Pro Ala Xaa Xaa Leu Lys
 1               5                   10              15

Glu Lys Thr Leu Lys Phe Gly Gly Lys Phe Ser Pro Pro Arg Gly Gly
            20                  25              30

Ala Trp Ala Lys Gly Gly Lys Xaa Ser Arg Gly Xaa Asn Gly Lys Gly
        35              40                  45

Xaa Glu Lys Ile Xaa
        50




<210> 7139
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<222> (1)
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<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7139
Xaa Tyr Trp Gly His Ile Gln His Ser Leu Trp Leu Ser Thr Pro Xaa
 1               5                  10                  15

Asn Arg His Pro Xaa Ala Gln Glu Leu Met Gly Leu Xaa Leu Arg Leu
            20                  25                  30

Tyr Ala Arg Ala Ser Arg
            35



<210> 7140
<211> 46
<212> PRT
<213> Homo sapiens

<220>
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<221> SITE
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<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7140
Leu Phe Glu Leu Xaa Pro Xaa Trp Ile Lys Thr Gly Ala Pro Pro Pro
 1               5                   10                  15


Xaa Arg Pro Leu Xaa Asn Asn Gly Ser Pro Gly Leu Gln Glu Ile Arg
             20                  25                  30


His Glu Leu Arg Leu Arg Val Ser Pro Leu Arg Xaa Arg Leu
         35                  40                  45



<210> 7141
<211> 34
<212> PRT
<213> Homo sapiens


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<220>
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<220>
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<220>
<221> SITE
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6348

<400> 7141
Ser Leu Lys Xaa Ile Thr Xaa Ile Leu Ser Xaa Ser Ile Pro Lys Thr
 1   5   10   15

Gly Val Arg Ser Pro Lys Gly Ser Thr Pro Xaa Tyr Xaa Leu Leu Ser
            20   25   30

Thr Thr

<210> 7142
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7142
Gly Gly Gly Xaa Leu Leu Xaa Phe Arg Ala Xaa Gly Gly Xaa Lys Ala
 1   5   10   15

Gly Leu His Arg Arg Gly Ser Arg Ser Lys Thr Asn Xaa Ser Pro Gly
            20   25   30

Leu

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<210> 7143
<211> 40
<212> PRT
<213> Homo sapiens

<220>
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<400> 7143
Ala Val Ala Xaa Ala Leu Xaa Leu Xaa Asp Pro Xaa Gly Cys Ile Asn
 1               5                  10                  15

Ser Ala Arg Ala Asn Val Gln Leu Pro Tyr Gly Ser Ser Leu Asn Pro
            20                  25                  30

Gly Ser Ser Asp Thr Ile Xaa Leu
         35                  40




<210> 7144
<211> 54
<212> PRT
<213> Homo sapiens

<220>
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6350

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<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7144
Ala Thr Thr Trp Xaa Ser Phe Gln Arg His Ser Trp Gly Leu Ser Ile
 1               5                   10                  15

Gly Leu His Ser Thr Xaa Ile Leu Gln Tyr Arg Thr Phe Asn Gly Ala
             20              25                  30

Val Xaa Val Leu Lys Leu Tyr Phe Ile Ser Lys Ile Xaa Met Val Met
         35                  40                  45

His Ile Ser Glu Leu Ser
     50




<210> 7145
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6351

<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7145
Ser Leu Gly Asp Ile Lys Val Pro Gly Asn Leu Leu Val Arg Glu Gly
  1   5   10   15

Glu Arg Gly Glu Ser Cys Thr Glu Ser Lys Leu Gln Arg Phe Ala Glu
            20   25   30

Asp Ser Ser Trp Ser Xaa Gln His Ser Met Gln Leu Met Phe Ile Gly
            35   40   45

Ala Ser Tyr Leu Arg Phe Arg Gly Asn Tyr Thr Xaa Lys Asp Arg Arg
        50   55   60

Asn Ser Ala Leu His Xaa His Arg Thr Glu Arg Lys
 65   70   75

<210> 7146
<211> 60
<212> PRT
<213> Homo sapiens

<220>
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<220>
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6352

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<220>
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<400> 7146
Cys Pro Ser Phe Asn Gly Lys Asn Trp Thr Xaa Arg Xaa Gly Gly Arg
  1               5                  10                  15

Ser Arg Ile Val Asp Pro Pro Gly Cys Arg Glu Phe Gly Thr Ser Leu
             20                  25                  30

Ser Ser Leu Ser Leu Leu Xaa Gly His Arg Leu Xaa Thr Leu Xaa Trp
         35                  40                  45

Gln Ser Leu Thr His Xaa Arg Asp Ala Gln Gly Xaa
        50                  55                  60


<210> 7147
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<400> 7147
Leu Arg Ile Arg Phe Cys Pro Val Ala Ser Arg Glu Ser Pro Gly His
 1   5   10   15

Leu Asp Tyr Leu Ile Thr Ile Thr Pro Pro Ile Val Thr Gln Leu His
            20   25   30

Thr Xaa Met Phe Leu Lys Ile Leu Asn Arg Xaa Ser Asn Pro Leu Gly
        35   40   45

Asn Arg Leu Ser Thr Lys Xaa Ser Pro Pro Ile Trp Leu Leu Asn Leu
    50   55   60

Ala Pro Ser Ser His Phe Thr Tyr Xaa Val Pro Val Pro Xaa Lys Xaa
65   70   75   80

Arg Met Glu Xaa Pro Ala Leu Xaa Pro Gly Pro Arg Pro Phe Tyr Ile
            85   90   95

Xaa Ala Lys Lys Lys
            100

<210> 7148
<211> 54
<212> PRT

<213> Homo sapiens

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7148
Leu His Pro Gln Val Glu Lys Met Leu Pro Glu His Ala Ala Ala Pro
 1   5   10   15

Ile Ala Ser Cys Leu Ala Lys Thr Asp Pro Gly Asp Ser His Glu Thr
            20   25   30

Thr Val Pro Gly Cys Leu His Ser Pro Cys Tyr Val Leu Gly Thr Glu
            35   40   45

Thr Val Asp Xaa Pro Phe
        50

<210> 7149
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
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<220>
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6355

<400> 7149
Xaa Xaa Val Ala Leu Leu Asn Val Tyr Asp Leu Phe Tyr Xaa Leu Arg
 1   5   10   15

Ser Xaa Met Val Xaa Glu
              20

<210> 7150
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7150
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1   5   10   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Thr Pro
              20   25   30

Lys Xaa

<210> 7151
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (36)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 7151
Ser Ala Arg Val His Ser Glu Tyr Cys Gly Ser Pro Gly Lys Phe Val
 1               5               10              15

His Arg Gly Tyr Cys His Phe Gly Lys Thr Leu Gly Cys Leu Val Arg
            20              25              30

Arg Leu Gln Xaa Ala Glu Gly Gln Thr Thr Lys Gly Cys Phe Arg Val
        35              40              45

Gln Leu Arg Arg Glu Xaa Gly His Gln Lys Lys Glu Pro Asp Trp Trp
    50              55              60

Leu Tyr Leu His Pro Xaa Phe Lys Gln Trp Arg Ser
65              70              75
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<210> 7152
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<213> Homo sapiens

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6357

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<222> (27)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7152
Gln Thr Thr Leu Phe Arg Xaa Asn Ala Pro Gly Leu Thr Xaa His Gly
 1               5               10              15


Ala Ala Leu Xaa Pro Phe Thr Xaa Cys Xaa Xaa Thr Gln Xaa Ser Lys
            20              25              30


Thr Val




<210> 7153
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
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<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7153
Xaa Thr Ile Ala His Phe Phe Leu Lys Gln Pro Val Lys Gln Xaa Leu
 1               5               10              15


Ile Ser Asn Ala Arg Leu Ile Tyr Leu Ser Phe Trp Arg Trp Val Leu
            20              25              30


Tyr Ser Ser Ser Ser Pro Phe His Val Pro Pro Asp Leu Leu Val Leu
            35              40              45


Phe Phe Arg Tyr Ser Ile Xaa His Thr Phe Met Leu
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6358

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        50                    55                    60



<210> 7154
<211> 46
<212> PRT
<213> Homo sapiens

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<400> 7154
Pro Ile Leu Cys Gln Thr Trp Ser Lys Ser Leu Ser Ser Gly Ser Asn
 1               5                   10                  15

Thr Ala Ala Met Leu Xaa Leu Ser His Ser Xaa Leu Ala Arg Xaa Glu
            20                  25                  30

Glu Lys Lys Lys Val Cys Leu Ser Leu Leu Lys Asp Ser Ala
         35                  40                  45



<210> 7155
<211> 25
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<213> Homo sapiens

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6359

<400> 7155
Xaa Leu Lys Asp Lys Thr Asp Pro Arg Xaa Gly Arg Ser Asn Tyr Gly
 1   5   10   15

Pro Arg Leu Gln Asn Ser Ala Arg Gly
            20   25

<210> 7156
<211> 34
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<213> Homo sapiens

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<400> 7156
Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1   5   10   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Ile Pro
            20   25   30

Lys Xaa

<210> 7157
<211> 79
<212> PRT
<213> Homo sapiens

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<400> 7157
Gly Ala Pro Ala Pro Ser Pro Gly Met Arg Ile Leu Gly Tyr Xaa Ile
 1               5               10              15

Leu Xaa Xaa Ser Xaa Ala Thr Xaa Xaa Xaa Gly Ser Gly Glu Gly Xaa
            20              25              30

Thr Trp Asp Leu Xaa Cys Leu Met Xaa Lys Xaa Xaa Asp His Cys Xaa
        35              40              45

Thr Ser Val Leu Leu Lys Met Ser Gly Ile Arg Xaa Arg Asp Cys Asn
    50              55              60

Cys Arg Phe Val Thr Asp Thr Xaa Leu Ser Ile Xaa Ser Ile Ser
 65              70              75
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<210> 7158
<211> 23
<212> PRT
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7158
Trp Gly His Arg Ala Xaa Xaa Asn Gln Xaa Pro Lys Xaa Ile Xaa Xaa
 1               5                   10                  15

Thr His Pro Val Pro Xaa Leu
            20




<210> 7159
<211> 65
<212> PRT
<213> Homo sapiens

<220>
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<400> 7159
Ala Tyr Lys Lys Glu Lys Glu Gln Ser Gln Glu Arg Thr Xaa Xaa Lys
 1   5   10   15

Cys Phe Gly Thr Ser Leu Phe Leu Asp Phe Glu Leu Ser Asn Trp Phe
             20   25   30

Ser Gln Val Lys Leu Lys Asn Ser Glu Thr Trp Phe Tyr Glu Ser Cys
         35   40   45

Ser Tyr Thr Phe Leu Xaa Xaa Gly Pro Xaa Leu Leu Pro Arg Leu Leu
     50   55   60

Thr
 65

<210> 7160
<211> 33
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7160
Leu Val Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
 1   5   10   15

6364

Tyr Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Thr Xaa
            20   25   30

Xaa

<210> 7161
<211> 39
<212> PRT
<213> Homo sapiens

<220>
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<400> 7161
Tyr Xaa Ser Ile Thr Xaa Lys Gly Gln Thr Asp Ser Arg Gly Gly Ala
  1   5   10   15

Leu Glu Tyr Gly Pro Arg Leu Gln Ile Arg Arg Ala Gly Val Glu Xaa
            20   25   30

Xaa Leu Xaa Pro Glu Cys His
            35

<210> 7162

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<211> 33
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7162
Arg His Glu Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr
  1               5                  10                  15


Tyr Asn Ser Leu Ala Val Val Leu Asn Val Val Thr Gly Pro Xaa Xaa
               20                  25                  30


Xaa




<210> 7163
<211> 84
<212> PRT
<213> Homo sapiens

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6366

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<400> 7163
Xaa Pro Ile Xaa Lys Xaa Xaa Arg Leu Cys Xaa Gln Asp Asn Arg Leu
 1               5               10                  15

Gly Asn Ser Ser Thr Arg Val Ala Lys Thr Gln Thr His Leu Leu Gly
            20                  25                  30
```

6367

```
Leu Xaa His Xaa Ile Ala Ile Asn Xaa Phe Pro Cys Gly Leu Leu Xaa
        35              40              45

Glu Glu Phe Ala Leu Leu Xaa Pro Ser Gly Val Pro His Ala Arg Xaa
    50              55              60

Ser Cys Pro Cys Arg Pro Ile Leu Ile Tyr Arg Ala Thr Arg Lys Thr
65              70              75              80

Ile Cys Xaa Ser
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<210> 7164
<211> 48
<212> PRT
<213> Homo sapiens

<220>
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<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7164
Ala Ala Arg Ala Leu Pro Arg Arg Thr Xaa Glu Ile Thr Val Thr Xaa
    1               5               10              15

Ser Ser Ala Leu Val Arg Asn Arg Glu Gln Leu Arg Leu Ser Pro Lys
            20              25              30

Asn Leu Leu Glu Gly Leu Glu Lys Phe Leu Pro Leu Ile Pro Ala Xaa
            35              40              45
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<210> 7165
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6368

<211> 93
<212> PRT
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<400> 7165
Lys Asn Gln Ala Ala Gly Arg Glu Ser Leu Gln Ser Arg Xaa Glu Val
 1   5   10   15

Glu Tyr Thr Arg Asp Gln Thr His Asp His Ser Ser Leu Gln Thr Phe
            20   25   30

Leu Gly Xaa Gln Gln Pro Met Pro Ser Leu Gly Met Leu Pro Leu Cys
        35   40   45

Cys Glu Glu Leu Ile Leu Val Phe His His Ser Gly Ser Asn Met Leu
    50   55   60

6369

```
Xaa Pro Thr Ser Leu Asp Xaa Pro Gly Leu Thr Ile Ile Leu Xaa Phe
65                  70              75                  80

Leu Phe Val Leu Ser Thr Xaa Ser Asn Asn Xaa Thr Ser
            85                  90



<210> 7166
<211> 77
<212> PRT
<213> Homo sapiens

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<400> 7166
Glu Asn Arg Tyr Ser Ser Leu Ser Xaa Asn Asn Leu Ile Pro Pro Val
1               5               10                  15

Gln Leu Lys Tyr Leu Leu Gly Lys Tyr Tyr Cys Glu Arg Arg Asn Xaa
            20                  25                  30
```

6370

Tyr Xaa Tyr Ile Leu Thr Ile Arg His Leu Xaa Arg Lys His Thr Thr
        35   40   45

Leu Xaa Tyr Leu Thr Asn Trp Lys Thr His Thr Ser Gly Ala Lys Leu
    50   55   60

Gln Leu Arg His Leu Phe Leu Ala Val Arg Ser Ile Xaa
65   70   75

<210> 7167
<211> 51
<212> PRT
<213> Homo sapiens

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6371

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<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7167
Ser Cys Arg Xaa Gly Thr Ser Xaa Ile Val His Xaa Met Leu Val Xaa
 1   5   10   15

Ile Glu Asp Asn Xaa Asp Phe Arg Lys Xaa Leu Xaa Gly Cys Cys Phe
            20   25   30

Tyr Asn Xaa Xaa Ser Thr Glu Arg His Lys Pro Gln Thr Ser Ser Ser
         35   40   45

Pro Arg Thr
    50

<210> 7168
<211> 35
<212> PRT
<213> Homo sapiens

<220>
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<220>

6372

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7168
Gly Lys Tyr His Ser Pro Ser Ile Leu Thr Lys Gly Xaa Lys Met Thr
 1               5                   10                  15

Met Cys Met Xaa Cys Asp Ala Thr Thr Leu Xaa Xaa Arg Xaa Tyr Thr
             20                  25                  30

Lys Glu Lys
         35




<210> 7169
<211> 60
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7169
Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Ile Thr Cys Lys Arg
 1               5                   10                  15

Ala Lys Leu Arg Pro Arg Asn Xaa Glu Leu Leu Arg Thr Leu Lys Asp
             20                  25                  30

Thr Pro Ser Met Cys Lys Tyr Gly Lys Ile Ile Val Ser Thr Thr Thr
             35                  40                  45

Ser Cys Asp Thr Gly Val Lys Ile Ile Tyr Ser Leu
         50                  55                  60




<210> 7170
<211> 48
<212> PRT
<213> Homo sapiens

<400> 7170
Pro Leu Lys Asp Lys Arg Thr Pro Ala Gly Ala Ala Leu Thr Met Asp
 1               5                   10                  15

Pro Gly Leu Gln Asn Ser Ala Arg Ala Gln Thr Gly Lys Thr Arg His
```

```
                    20              25              30

Asn Asp Lys His Thr Gly Cys Cys Gly Asp Asn Asp Gln Leu Ser Val
        35              40              45
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<210> 7171
<211> 92
<212> PRT
<213> Homo sapiens

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6374

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (92)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7171
Gly Ile Xaa Val Pro Ser Leu Pro Val Ser Gly Leu Tyr Ala Xaa Arg
 1               5                   10                  15

Gly Leu Xaa Ser Ala Asp Xaa Ile Ser Asp Tyr Val Tyr Thr Ser Ser
            20                  25                  30

Thr Asn Cys Val Gln Leu Leu Gly Phe Trp Xaa Xaa Thr Pro Leu Pro
            35                  40                  45

Gly His Ala Asp Asp Pro Gly Met Pro Lys Asn Ala Leu Arg Ser Pro
        50                  55                  60

Asp Tyr Val Ser Trp Xaa Cys Tyr Met Pro Asn Leu Xaa Ser Ala Thr
 65                  70                  75                  80

Xaa His Met Ile Cys Thr Xaa Arg Asn Asp Thr Xaa
                85                  90


<210> 7172
<211> 43
<212> PRT
<213> Homo sapiens

<220>
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<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6375

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<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
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<223> Xaa equals any of the naturally occurring L-amino acids


<220>
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<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7172
Arg Xaa Xaa Leu Asp Ser Pro Arg Gly Ala Ala Leu Xaa Tyr Gly Ser
 1               5                  10                  15


Pro Gly Cys Met Asn Ser His Glu His Ala Arg Gly Pro Asn Asn Ser
            20                  25                  30


Glu Ala Gly Gly Ile Pro Thr Leu Xaa Leu Asp
            35                  40




<210> 7173
<211> 72
<212> PRT
<213> Homo sapiens


<220>
<221> SITE
<222> (33)
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<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
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<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7173
Lys Val Cys Ile Glu Tyr Thr Ser Gly Phe Phe Ala Leu Leu Phe Ala
 1               5                  10                  15


His Cys Ser His Val Phe Phe Ile Ala Val Ser Lys Asn Ile Leu Asp
```

6376

```
                20                    25                    30

Xaa Tyr Gly Met Leu Phe Phe Ser His Gln Leu Lys Leu Leu Lys Asn
        35                    40                    45

Ile Xaa Tyr Ile Cys Gly Lys Asp Ser Glu Arg Ser Ile Gly Val Leu
    50                    55                    60

Leu Xaa Val Pro Asn Cys Leu Leu
65                    70
```

<210> 7174
<211> 64
<212> PRT
<213> Homo sapiens

<400> 7174
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Glu Lys Asn Ile Ser Glu Trp Gly Ile Leu Arg Lys Met Ile Asn Thr
 1               5                   10                  15

Ala Gln Glu Tyr Lys Lys Glu Ser Lys Ser Tyr Asn Met Ser Leu Leu
            20                  25                  30

His Ile Tyr His Ser Ser Leu Phe Cys Phe Val Leu Asp Asp Ala Lys
            35                  40                  45

Leu Arg Gly Leu Ala Ala Pro Ser Asn Leu Ser Met Glu Ser Asp Ser
    50                  55                  60
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<210> 7175
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
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<220>
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<400> 7175
Asn Pro Glu Ser Glu Arg Gly Arg Asp Asp Gly Leu Gln Ala Ser Gly
 1               5                  10                  15


Pro Ser Arg Gly Pro Arg Ser Met Trp Leu Leu Pro Ser Leu Ser Val
            20                  25                  30


Leu Cys Val Ala Ser Ser Ser Leu Thr Gly Tyr Pro Ala Xaa Pro Ser
            35                  40                  45


Ser Phe Ser Ser Pro Thr Phe Pro Lys Gly Val Leu His Phe Tyr Phe
        50                  55                  60


Gly Xaa Asn Phe Ser Trp Gly Glu Asn Xaa Gly Trp Gly Leu Pro Xaa
65                  70                  75                  80


Lys Pro Xaa Gly Thr Phe Pro Ala Ile
                85



<210> 7176
<211> 64
<212> PRT
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids
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6378

<220>
<221> SITE
<222> (47)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7176
Thr Ala Ser Gly Ser Trp Asp Lys Leu Gly Phe Thr Leu Ile His Asn
 1   5   10   15

Ser Ile Ser Ser Ser Val Phe Pro Phe Pro Thr Leu Arg Phe Leu Cys
                20   25   30

Cys Arg Trp Ala Gln Xaa Arg Thr His Pro Thr Xaa Pro Gly Xaa Pro
            35   40   45

Gly Gly Lys Pro Gly Gly Gly Ala Gly Lys Asn Arg Pro Asn Asp Cys
        50   55   60

<210> 7177
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7177
Asn Phe Glu Gly Ser Leu Arg Lys Pro Leu Asn Trp Lys Ser Leu Ala
 1   5   10   15

Ala Leu Ser Xaa Ile Ser Val Asn Val Ser Lys Glu Leu Met Leu Cys
                20   25   30

Tyr Leu Ile Lys Pro Ser Thr Met Thr Asp Lys Glu Met Glu Ser Pro
            35   40   45

Glu Met Phe Glu Lys Asp
        50

<210> 7178
<211> 41
<212> PRT

<213> Homo sapiens

<400> 7178
Arg Met Pro Asn Lys Ala Arg Lys Ser Ile Val Thr Cys Ala Leu Arg
 1   5   10   15

Ala Gln Tyr Leu Tyr Leu Ile Ser Thr Glu Glu Ile Phe Leu Cys Asn
            20   25   30

Leu Ile Phe Cys Leu Val Leu Val Leu
            35   40

<210> 7179
<211> 46
<212> PRT
<213> Homo sapiens

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<400> 7179
Leu Phe Phe Asn Thr Cys Val Pro Val Asn Ile Met Ser Asn His Lys
 1   5   10   15

Cys Leu Ile Gly Trp Ser Xaa Xaa Val Gly Glu Glu Arg Tyr Arg Ser
            20   25   30

Cys Leu Ile Ser Ile Ser Cys Ser Ala Leu Lys Ile Phe Ile
            35   40   45

<210> 7180
<211> 112
<212> PRT
<213> Homo sapiens

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6380

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<400> 7180
Asp Cys Phe Val Ser Ile Pro Ile Leu Tyr Ser Cys Ser Trp Xaa Asn
  1               5                  10                  15


Xaa Asn Gln Ala Leu Ser Ile Leu Pro Lys Thr Xaa Val Cys Asp Ser
             20                  25                  30


Ser Phe Gln Trp Leu Phe Ser Ile Pro Ser Xaa Arg Xaa Pro His Leu
             35                  40                  45


Ser Ser Xaa Leu Pro Ser Ser Trp Thr Val Arg Cys Leu Phe Tyr Ser
      50                  55                  60


Pro Phe Ser Ile Arg Val Trp Asp Gly Pro Lys Xaa Ser Ser Ser Leu
 65                  70                  75                  80


Asn Asn Ile Val Leu Asp Thr Xaa Ile Glu His Xaa Xaa Leu Leu Val
                 85                  90                  95


Ala Xaa Leu His Cys Ile Leu Val Tyr Gln Ile Xaa Pro Xaa Xaa Xaa
             100                 105                 110



<210> 7181
<211> 63
<212> PRT
<213> Homo sapiens
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<400> 7181
Leu Asp Phe Cys Met Glu Asn Ile Gln Gly Tyr Ile Ser Leu Phe Leu
 1               5                  10                  15

Tyr Ser Arg Glu Gly His Leu Val Leu Cys Lys Tyr Val Ala Asp Leu
            20                  25                  30

Ser Phe Ser Asp Xaa Arg Ala Pro Xaa Leu Lys Val Phe Leu Asn Ala
            35                  40                  45

Trp Lys Glu Asn Val Ile Phe Xaa Glu Ser Asn Ile Phe Ile Ser
        50                  55                  60


<210> 7182
<211> 18
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<213> Homo sapiens

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<400> 7182
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6383

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Leu Xaa Phe Ala Leu Ser Xaa Cys His Gly His Asp Ser Arg Ser Xaa
 1               5               10              15

Ser Lys
```

<210> 7183
<211> 38
<212> PRT
<213> Homo sapiens

<400> 7183
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Asp Ile Asp Phe Trp His Asp Arg Val Arg Arg Leu Met Lys Pro Leu
 1               5               10              15

Pro Lys Lys Thr Ala Arg Lys Leu Glu Glu Asn Cys Gln Lys His Pro
            20              25              30

Phe Gln Leu Pro Lys Asn
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<210> 7184
<211> 35
<212> PRT
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<400> 7184
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Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5               10              15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
            20              25              30

Lys Xaa Xaa
         35
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<210> 7185
<211> 51
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<213> Homo sapiens

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<400> 7185
Cys Cys Gly Leu Cys Val Thr Leu Ser His Ile Ile Gln Arg Ile Met
 1               5                  10                  15

Phe Thr Phe Ile Ala Lys Xaa Ile Cys Leu Met Pro Asn Thr Pro Ser
              20                  25                  30

Pro Xaa Ala Pro Arg Pro Gly Val Ser Phe Arg Lys Gly Lys Gly Xaa
          35                  40                  45

Gly Leu Tyr
      50




<210> 7186
<211> 33
<212> PRT
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6385

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<400> 7186
Lys Glu Lys Gly Lys Cys His Lys Lys Leu Glu Tyr Leu Trp Ser Leu
 1               5                   10                  15


Lys Pro Trp Asn Leu Leu Xaa Gly Xaa Val Tyr Xaa Arg Asn Pro Gly
             20                  25                  30


Xaa




<210> 7187
<211> 20
<212> PRT
<213> Homo sapiens

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<222> (16)
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<222> (19)
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<400> 7187
Phe Ile Tyr Xaa Cys Cys Ala Leu Thr Val Pro Xaa Ile Ile Leu Xaa
 1               5                   10                  15
```

6386

Tyr His Xaa Val
                20

<210> 7188
<211> 16
<212> PRT
<213> Homo sapiens

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<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7188
Glu Leu Val Ser Ser Phe Phe Phe Phe Phe Xaa Xaa Xaa Thr Trp Ile
  1   5   10   15

<210> 7189
<211> 60
<212> PRT
<213> Homo sapiens

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<223>  Xaa equals any of the naturally occurring L-amino acids

<400>  7189
Xaa Ser Tyr Xaa Phe Ser Arg Xaa Asn Val Leu Pro Leu Thr Phe Ile
 1               5                  10                  15


Asn Ser Val Tyr Ile Phe Xaa Gln His Ser Lys Leu Leu Glu Ser Asn
             20                  25                  30


Ser Phe Thr Tyr Phe Tyr Leu Leu Phe Ser Leu Cys Thr Ala Leu Ser
         35                  40                  45


Cys Ile Val Phe Gln His Met Arg Leu Thr Ala His
     50                  55                  60




<210>  7190
<211>  24
<212>  PRT
<213>  Homo sapiens

<220>
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<220>
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<223>  Xaa equals any of the naturally occurring L-amino acids

<400>  7190
Val Asn Thr Ile Pro Xaa Thr Arg Leu Arg Gly Xaa Thr Cys Gln Ile
 1               5                  10                  15


Val Leu Ser Leu Ala Met Tyr Pro
             20




<210>  7191
<211>  36
<212>  PRT
<213>  Homo sapiens
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<400> 7191
Gly Glu Leu Leu Leu Gln Glu Thr Ala Asp Phe Gly Xaa Lys Leu Leu
 1               5                  10                  15

Leu Xaa Xaa Ser Pro Gly Gly Thr Val Pro Thr Val Ser Trp Arg Asn
            20                  25                  30

Asn Xaa Leu Xaa
         35
```

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<210> 7192
<211> 33
<212> PRT
<213> Homo sapiens

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<400> 7192
Tyr Ala Leu Ser Lys Leu Thr Xaa Thr Lys Xaa Asn Lys Ser Trp Xaa
  1   5   10   15

Ser Thr Gly Gly Gly Gly Gly Xaa Lys Xaa Xaa Gly Ser Pro Gly Xaa
            20   25   30

Lys

<210> 7193
<211> 55
<212> PRT
<213> Homo sapiens

<220>
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<400> 7193
Leu Val Pro Asn Ser Ala Arg Val Ser Pro Gly Ile Gln Ala Phe Arg

6390

```
  1                 5                10                15

Ala Thr Gly Pro Leu Asn Tyr Trp Pro Glu Leu Pro Thr Leu Pro Val
            20                25                30

Gln Arg Leu Trp Cys Tyr Gly Gly Pro Leu His Ser Lys Ser Ser Xaa
            35                40                45

Ile Ser Lys His Leu Leu His
        50                55
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<210> 7194
<211> 92
<212> PRT
<213> Homo sapiens

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<400> 7194
Ala Asn Leu Thr Leu Xaa Phe Met Leu Ala Ser Xaa Leu Xaa Asp Gln
  1   5   10   15

Lys Glu Lys Xaa Lys Leu Ser Pro Glu Phe Xaa Asn Tyr Gly Glu Lys
           20   25   30

Leu Ile Leu Ile Val Thr His Xaa Ala Thr Leu Ser Leu Phe Cys Phe
           35   40   45

6392

```
Val Phe Pro Ser Asn Xaa Xaa Lys Cys Xaa Glu Pro Arg Leu Leu Xaa
     50              55              60

Xaa Xaa Ala Xaa Xaa Phe His Leu Pro Trp Leu Leu Ile Pro Pro Lys
 65              70              75              80

Leu Gln Asn Pro Ile Leu Gly Xaa Asn Leu Ser Ala
             85              90
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<210> 7195
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<400> 7195
Leu Tyr Xaa Leu Leu Ser Pro Asn Gln Val Tyr Met Trp Phe Asp Lys
 1               5               10              15

Tyr Tyr Ser Ile Leu Met Gly Ile Leu Met Gln Arg Ile Xaa Xaa Gly
             20              25              30

Ile Val Leu Glu Ile Tyr Lys Ile Lys Thr Val Cys Leu Ile
             35              40              45
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<210> 7196
<211> 37
<212> PRT
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6393

<222> (35)
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<400> 7196
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1   5   10   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
            20   25   30

Gln Ile Xaa Val Xaa
        35

<210> 7197
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<400>  7197
Glu Xaa Glu Ile Phe Glu Lys Ile Met Leu Lys Phe Ser Gln Phe Xaa
 1               5                  10                  15

Xaa Lys Asn Leu Ile Phe Xaa Pro Lys Xaa Leu Asn Glu Leu Asp Lys
            20                  25                  30

Xaa Xaa Lys Ile Xaa Pro Lys Thr Xaa Ser Xaa Phe Phe Leu Xaa Ser
        35                  40                  45

Pro Lys Xaa Lys Ile Phe Leu Glu Tyr Xaa Gly Glu Lys Thr Pro Pro
    50                  55                  60
```

```
Phe Leu Trp Xaa Pro Xaa Lys Xaa Xaa Val Xaa Phe Leu Thr Thr Gly
 65              70                  75                  80

Gly Gly Xaa Val Phe Xaa Thr Xaa Pro Xaa Lys Lys Lys Asn Xaa Pro
             85              90                  95

Pro Phe Phe
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<210> 7198
<211> 76
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<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7198
Phe Ser Ser Leu Lys Leu Ser Leu Glu Tyr Leu Ser Leu Leu Leu Val
 1               5                  10                  15

Leu Trp Leu Leu Met Ile Leu Ala Phe Ser His Phe Asp Phe Val Leu
             20                  25                  30

Lys Lys Asn Phe Glu Pro Asn Asn Ile Pro Val Tyr Phe Xaa Pro Ile
             35                  40                  45
```

6397

```
Thr Phe His Glu Ser Arg Ala His Ser Xaa Xaa Pro Xaa Ile Pro Lys
     50                      55              60

Thr Xaa Val Pro Thr Ile Met Gly Gly Gly Val Ser
 65               70               75
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<210> 7199
<211> 39
<212> PRT
<213> Homo sapiens

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<400> 7199
Cys Lys Asp Asn Gly Lys Pro Leu Ala Gly Phe Met Glu Asp Gly Val
 1               5               10              15

Leu Asn Arg Cys Phe Trp Lys Cys Lys Val Asp Asn Gly Leu Lys Leu
          20              25              30

Xaa Thr Thr Leu Xaa Ala Trp
          35
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<210> 7200
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<212> PRT
<213> Homo sapiens

<400> 7200
Ala Arg Arg Lys Gly Cys Thr Glu Phe Glu Asp Thr Ala Ala Val Ser
 1               5               10              15

Trp Arg Glu Glu Ala Lys Gly Ala Arg Arg Leu Gln Ala Lys Gly Gly
          20              25              30

Gly Ala Trp Asp Leu Asn
          35
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6398

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<213> Homo sapiens

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<400> 7201
Xaa Pro Xaa Val Xaa Asp Lys Leu Phe Pro Lys Asn Gln Asn Met Ser
  1               5                  10                  15

Trp Ser Trp Thr Phe Lys Pro Val Leu Xaa Val Ile Pro Asn Tyr Gly
              20                  25                  30

Lys Ser Val Arg Glu Gln Xaa Ile Leu Pro Lys Asn Glu Xaa Pro Cys
              35                  40                  45

Arg Lys Pro Glu
      50
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6399

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<211> 66
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6400

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Asn Pro Thr Xaa Thr Ser Xaa Xaa Xaa Xaa Xaa Trp Xaa Phe Xaa Ile
            20              25              30

Phe Leu Pro Pro Ile Ser Tyr Pro Lys Gln Asn Lys Xaa Pro Phe Ser
        35              40              45

Ile Ile Ser Xaa Asn Ile Gln Tyr Cys Pro Cys Gly Ile Phe Leu Asn
    50              55              60

Ser Leu
 65




<210> 7203
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<212> PRT
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6403

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Ser Cys Arg Ser Cys Arg Xaa Arg His Lys Arg His Glu Glu Gln Val
 1               5               10              15

Xaa Asn Leu Ser Xaa Xaa Xaa Asn Thr Xaa Pro Val Cys Xaa Ser Thr
             20              25              30

Cys Lys Leu Xaa Arg Cys Leu Leu Xaa Tyr Arg Phe Ile Ser Gln Thr
         35              40              45

Thr Val His Xaa Cys Leu Pro Arg Glu Leu Gln Asp Xaa Ile Thr Phe
     50              55              60

Asp Xaa Ser Xaa Xaa Ile Xaa Cys Xaa Lys Val Xaa Asn Phe Asn Phe
 65              70              75              80

Leu Xaa Asn Ile Gln Leu Phe Asn Xaa Ser Xaa Ile Thr Ser Tyr Phe
             85              90              95

Asn Leu Asn Leu Asn Tyr Arg Lys Val Ser Xaa Leu Ser Phe Glu Xaa
             100             105             110

Leu Leu Pro Arg Phe Asn Phe Ser Ser Leu
         115             120
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<400> 7204
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Leu Leu Lys Arg Thr Lys Ser Trp Gly Pro Pro Ala Val Lys Xaa Arg
 1               5               10              15

Phe Leu Thr Ser Gly Ser Pro Gly Leu Gln Glu Phe Gly Gly Thr Pro
             20              25              30

Leu Pro Glu Lys Thr Val Xaa Val
         35              40
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<400> 7205
Gln Thr Met Phe Thr Thr Cys Arg Pro Ser Ile Arg Ile Phe Leu Gly
 1               5                  10                  15
```

6405

```
Ser Leu Met Ile Tyr Leu His Ala Ile Cys Pro Gln Gln Ile Val Ser
            20              25              30

Gln Glu Trp Asn Xaa Gln Gly His Trp Xaa Cys Xaa Lys Val Xaa Lys
        35              40              45

Arg Ala Xaa His Pro Leu Lys Phe Arg Phe Val Asn Ile Xaa Leu Thr
    50              55              60

Asn Ser Asn Xaa Ala Met Xaa Phe Pro
65              70
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<400> 7206
Leu Leu Lys Gly Lys Xaa Trp Ala Pro Arg Gly Xaa Gly Arg Phe Leu
  1           5               10              15

Thr Ser Gly Ser Pro Gly Xaa Gln Gly Ile Arg Gly Xaa Pro Pro Cys
            20              25              30
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<400> 7207
Tyr Pro Asp Ile Pro Ala Leu Xaa Gln Arg Xaa Gly Leu Lys Lys Lys
 1               5                  10                  15

Ser Thr Cys Ser Phe Arg Pro Gln Ala Gln Gln Xaa Gly Glu Ile Asn
                20                  25                  30
```

```
Cys Phe Trp Lys His Leu Gly Gly Val Trp Gly Trp Ala Xaa Lys Lys
         35              40              45

Gln Val Xaa Phe Asn Xaa Leu Leu Trp Lys Phe Cys Phe Ile Ile Ile
         50              55              60

Pro Phe Pro Leu Cys Tyr Thr Xaa Pro Xaa
65                  70
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<210> 7208
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<212> PRT
<213> Homo sapiens

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<400> 7208
Lys Arg Asn Trp Cys Val Asn Gln His Lys Ile Leu Glu Cys Ile Ser
  1             5              10              15

Ile Ser Ile Phe Ser Pro Thr Asn Pro Val Thr Val Val Asn Asn Gln
             20              25              30

Cys Val Asn Asn Glu Tyr Leu Phe Phe Thr Leu Phe Gln Gly Lys Thr
         35              40              45

Asn Ile Tyr Gly Thr Leu Pro Phe Glu Xaa Thr Leu Glu
     50              55              60
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<210> 7209
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<400> 7209
Ala Ala Arg Thr Xaa Pro Glu Ser Val Ser Cys Xaa Pro Glu Ile Thr
 1   5   10   15

Xaa

<210> 7210
<211> 56
<212> PRT
<213> Homo sapiens

<400> 7210
Ala Arg Ala Glu Phe Gly Thr Ser Pro Asn Glu Leu Leu Asp Pro Asp
 1   5   10   15

Cys Val His Arg Trp Leu Lys Gln Ser Asp Leu His Leu Gly Asp Glu
            20   25   30

Ile Ile Gln Val His Arg Asp Pro Ala Ala Leu Asp Gly Ser Gly Cys
            35   40   45

Ala Thr Leu Thr Val Val Met Arg
    50   55

<210> 7211
<211> 36
<212> PRT
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<400> 7211
Leu Lys Val Trp Lys Ala Glu Phe Met Lys Lys Asn Xaa Lys Lys Ala
 1   5   10   15

Xaa Ser Asn His Asp Leu Pro Ile Lys Xaa Xaa Trp Phe Gly Gly Lys
                20   25   30

Gly Xaa Val Gly
         35

<210> 7212
<211> 33
<212> PRT
<213> Homo sapiens

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6410

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<400> 7212
Xaa Leu Leu Lys Gly Gln Lys Leu Xaa Pro His Arg Gly Lys Arg Pro
 1               5                  10                  15


Leu Leu Xaa Leu Val Asp Pro Pro Gly Cys Arg Lys Phe Gly Asp Xaa
            20                  25                  30


Xaa




<210> 7213
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<212> PRT
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<400> 7213
Ile Cys Pro Gln Asn Pro Leu Asn Pro Leu Val Asn Leu Thr Val Ser
 1               5                  10                  15
```

```
Pro Lys Xaa Asn Ser Ser Leu Asp Thr Arg Lys Lys Pro Cys Arg Xaa
            20                  25                  30

Ser Lys Lys Phe Asn Thr His Gly Arg Pro Lys Ser Ser His Xaa Leu
            35                  40                  45

Arg Lys Arg Ser Ser Ser Thr Pro Thr Thr Xaa Xaa Ile Pro Asn Ile
            50                  55                  60

Leu Leu Asn Ser Ser His Pro Ile Gly Thr Asn Leu Ser Pro Tyr Arg
 65                  70                  75                  80

Lys Asn Leu Cys Leu Leu
                85
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<210> 7214
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<212> PRT
<213> Homo sapiens

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<400> 7214
Gly Ala Leu Ile Xaa Arg Leu Ser Ala Ser Leu Gln Trp Gly Xaa Ser
 1               5                  10                  15

Pro Ile Pro Asn Phe Phe Phe Xaa Xaa Gly Ala Gln Pro Asn Ser Pro
                20                  25                  30

Leu
```

6412

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<210> 7215
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<400> 7215
Gln Gln His Leu Asn Thr Thr Thr Phe Gln Lys Ser Ser Lys Phe His
 1               5                  10                  15

Leu Thr Cys Lys Ala Cys Gly Asn Pro Thr Ser Pro Glu Pro Asp Leu
             20                  25                  30

Val Val Asn Tyr Leu Glu Pro Pro Asn Lys Ser Thr Trp Lys Gln Asp
             35                  40                  45

Thr Thr Tyr Gly Thr Ile Cys Arg Pro Tyr Gln Pro Pro Asp Thr Ile
         50                  55                  60

Ile Ser His Phe Asn Cys Leu Pro Leu Lys Xaa Gly Phe Thr Lys Asn
 65                  70                  75                  80

Lys Met Val Leu Pro
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<210> 7216
<211> 67
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6413

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<400> 7216
Phe Ser Pro Ser Xaa Cys Leu Gln Xaa Cys Xaa Val Xaa Asn Leu Thr
  1               5              10              15


Phe Asp Xaa Lys Thr Tyr Leu Ile Asn Asp Ser Thr Asn Phe Gly Lys
           20              25              30


Lys Lys Pro Phe Xaa Lys Leu Xaa Lys Ile Pro Ile Leu Leu Asn Xaa
           35              40              45


Pro Pro Ser Gly Thr Arg Glu Val Gln Asn Ser Phe Xaa Phe Gly Leu
      50              55              60


Tyr Tyr Phe
 65
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6414

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<210> 7217
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<400> 7217
Asp Thr Ala Glu Ile Ser Lys Phe Cys Leu Lys Ser Asp Lys Val Xaa
 1               5                  10                  15

Val Ala Leu Ala Leu Xaa Lys Val Gly Asp Ile Phe Asp Tyr Ile Ser
            20                  25                  30

Leu Tyr Leu His Ser Xaa Gln Ala Ser Ser Met Asp Cys Lys Asn Leu
        35                  40                  45

Arg Glu Gln His Thr Xaa Leu Gln Ser Glu Gln Met Asn
    50                  55                  60
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<211> 48
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<213> Homo sapiens

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<400> 7218
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6415

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Lys Asn Tyr Ser Ser Phe Ser Asn Arg Ser Phe Thr Leu Asn Phe Ile
 1               5                   10                  15

Phe Gly Leu Tyr Phe Lys Ile Ser Lys Tyr Met Lys Pro Tyr Leu Gln
            20              25                  30

Xaa Ile Ser Phe Gly Phe Arg Leu Thr Leu Phe Trp Asn Ser Glu Asn
            35                  40                  45
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6416

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 1   5   10   15

Ile Leu Xaa Ile Ser Phe Gly Xaa Arg Xaa Tyr Ser Leu Phe Leu Leu
             20   25   30

Lys Ser Leu Leu Trp Pro Leu Val Ser Leu Xaa Phe Leu Ser Gly Xaa
         35   40   45

Xaa Asn Xaa Xaa Gly Ala Phe Ser Arg Phe Ala His Ser Thr Xaa Leu
     50   55   60

Val Lys His Asp Leu Cys Val Asn Gly Ile Val Trp Thr Pro Trp Xaa
65   70   75   80

Gly Met Leu Gly Lys Thr Lys Glu Gly Pro Glu Leu Pro Thr Ala Gln
             85   90   95

Glu Gly Xaa Xaa Xaa Ala Pro Xaa Leu Glu Leu Lys Pro Pro Pro Lys
             100   105   110

Met Xaa Pro Tyr
         115

<210> 7220
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<212> PRT
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<400> 7220
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6418

```
 1               5                    10                    15

Leu Thr Ile Trp Asn Val Lys Leu Leu His Val Leu Gln Ser Lys Ser
            20                    25                    30

Xaa Val Lys Ser Gly Xaa Val Lys Asn Ile Ile Pro Val Gly His Cys
            35                    40                    45

Pro His Phe Cys Ala Gly Gly
        50                    55
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<400> 7221
Xaa Ala Ser Tyr Phe Ile Leu Leu Leu Ser Phe Ser His Tyr Tyr Asn
 1   5   10   15

Val Ile Ile Gly Asp Leu Met Xaa Ser Gln Leu Phe Leu Ser Phe Met
            20   25   30

Asn Ser Gly Ser Lys Lys Xaa Pro Lys Cys Leu Ser Leu Xaa Xaa Ile
            35   40   45

Pro Gly Phe Xaa Gln Xaa Leu Xaa Ser Phe Trp Xaa Leu Xaa Xaa Thr
    50   55   60

Xaa Ile Pro Phe Xaa Lys Lys Leu Phe Thr Trp Phe Asp Xaa Asn Pro
 65   70   75   80

Gly Ser Ser Ile Ile Tyr Cys Leu Asn Xaa Gly Pro His Thr Xaa Pro
                85   90   95

Ser Phe Xaa Ser Xaa Pro Xaa Xaa Lys Asn Tyr Ile Leu Xaa Xaa Xaa

6421

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Asn Lys Ile Leu Lys Asn
          115




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6423

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Pro Ala Leu Xaa Gly Leu Ala Leu Phe Ala Ile Leu Trp Val Gly Cys
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Gly Ile Tyr Pro Pro Ser Leu Xaa Pro Xaa Pro Ala Ser Ser Thr Cys
            20              25              30

Ser Gly Xaa Xaa Leu Asn Thr Xaa Arg Xaa Ile Arg Ala Ser Xaa Xaa
        35              40              45

Xaa Asn Met Xaa Xaa Phe Pro Xaa Leu Lys Ile Ile Xaa Cys Phe Ser
    50              55              60

Phe Lys Lys Met Val Asn Xaa Ala Pro Leu Ala Lys Ser Pro Xaa Xaa
 65              70              75              80

Thr Arg Val Ser Phe Ser His Pro Leu Pro Phe Trp Glu Phe Phe Asn
            85              90              95

Pro Pro Phe Gln Xaa Leu Pro Leu Phe Leu Pro Trp Pro Phe Phe Leu
            100             105             110

Gly Ile Leu Arg Arg Ile Lys Lys Ser
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  1           5                  10              15

Leu Val Lys Leu Xaa His Xaa Thr Ser Tyr Asn Asp Gly Ile Tyr Phe
             20              25                  30

Ser Arg Xaa Xaa Xaa Leu Tyr Pro Leu Gln Xaa Leu Tyr Xaa Asp Leu
         35              40              45

His Leu Leu Leu Thr Xaa Trp Lys Thr Phe His Ile Val Leu Ile Thr
     50                  55                  60

Asn Tyr Leu Ser Cys Leu Xaa Val Thr Leu Ile Tyr Ile Cys Arg Phe
 65                  70              75                  80

Ser Pro
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6427

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Arg Lys Thr Leu Xaa Ser Asp Xaa Xaa Leu Pro Thr Asp Leu Gln Asn
1               5               10              15

Gly Gln Tyr Leu Asp Xaa Leu Pro Phe Tyr Leu Leu Phe Leu Leu Gln
            20              25              30

Xaa Xaa Xaa Gln Gly Thr Ser Ile Met Ile Xaa Lys Ile Tyr Phe Ile
        35              40              45

Asn Met Phe Xaa Phe Thr Phe His Leu Phe His Xaa Pro Xaa Glu Tyr
    50              55              60

Arg Cys Leu Xaa Asn Leu Ser Leu Xaa Lys Leu Gln Phe Cys
65              70              75
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<400> 7225
Tyr Thr Lys Val Leu Pro Asn Arg Tyr Phe Tyr Xaa Glu Lys Phe Ile
1               5               10              15

Xaa Lys Phe Leu Ser Leu Lys Phe Gly Phe Phe Ile Asn Leu Lys Cys
            20              25              30

Xaa Leu Arg Ile Thr Ile Leu Asn His Trp Asp Xaa
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6429

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<400> 7226
Thr Tyr Ile Thr Pro Pro Phe Ser Xaa Asn Ser Leu Cys Val Lys Ala
 1   5   10   15

Leu Lys Gly His Ile Pro Leu Ile Pro Phe Ile Asn Gln Ile Val Leu
            20   25   30

Cys Asn Lys Val Gly Xaa Trp Pro Xaa Asn Ser Phe Lys Xaa Trp Asn
        35   40   45

Leu Glu Ala Gly Lys Phe Gly Leu Phe Xaa Phe Ser Phe Trp Ala Pro
    50   55   60

Xaa His Ser Leu Xaa Trp Met Asn Pro Phe Leu Leu Phe Leu Gly Gln
 65   70   75   80

Lys Lys Lys Lys Thr Xaa Gly Gly Pro Val Pro Xaa Pro Leu Phe Phe
            85   90   95

Phe

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<400> 7227
Thr Pro Arg Xaa Tyr Xaa Phe Phe Xaa Lys Ile Xaa Lys Ile Leu Gly
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6432

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     1              5                   10                    15

Pro  Tyr  Phe  Leu  Ile  His  Phe  Ser  Ala  Pro  Xaa  Pro  Ser  Phe  Xaa  Pro
               20                   25                  30

Leu  Xaa  Xaa  Phe  Trp  Val  Asn  Ser  Xaa  Ser  Pro  Gly  Xaa  Gly  Pro  Phe
          35                   40                  45

Xaa  Phe  Ser  Xaa  Phe  Pro  Pro  Pro  Phe  Pro  Xaa  Xaa  Xaa  Leu  Lys  Xaa
     50                   55                  60

Pro  Gln  Pro  Pro  Xaa  Phe  Pro  Pro  Asn  Xaa  Xaa  Xaa  Phe  Phe  Pro  Asn
65                        70                  75                        80

Leu  Asn  Ser  Pro  Pro  Val  Pro  Trp  Val  Pro  Asn  Phe  Xaa  Pro  Leu  Lys
               85                   90                  95

Thr  Phe  Pro  Glu  Xaa  Xaa  Phe  Phe  Ile  Xaa  Lys  Pro  Leu  Lys
               100                  105                 110
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<210> 7228
<211> 94
<212> PRT
<213> Homo sapiens

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<400> 7228
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Ala  Ser  Ile  Ile  Phe  Phe  Gln  Val  Gln  Val  Leu  Lys  Leu  Leu  Leu  Asn
  1              5                   10                  15

Leu  Ser  Glu  Asn  Pro  Ala  Met  Thr  Glu  Gly  Leu  Leu  Arg  Ala  Gln  Val
               20                   25                  30

Asn  Ser  Leu  Tyr  Ile  Tyr  Phe  Val  Asn  Ile  His  Ile  Tyr  Thr  Phe  Glu
               35                   40                  45

Gln  Thr  Asp  Arg  Ser  Gly  Lys  Ile  Lys  Pro  Lys  Met  Leu  Gln  Gly  Phe
     50                   55                  60

Ser  Leu  Xaa  Ser  Ser  Ile  Lys  Gly  Gly  Phe  Leu  Asn  Ser  Phe  Cys  Met
65                        70                  75                        80

Tyr  Glu  Phe  Pro  Lys  Phe  Phe  Ala  Met  Ser  Leu  Phe  Tyr  Phe
               85                   90
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6433

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<210> 7229
<211> 47
<212> PRT
<213> Homo sapiens

<400> 7229
Ala Ala Arg Glu Leu Met Lys Ser Pro Ser Asn Phe Gln Ser His Thr
 1               5                  10                  15

Cys Ile Tyr Cys Gln Asn Leu Ser Met Thr Asn Thr Lys Leu Lys Ser
            20                  25                  30

Cys Phe Gln Arg Lys Lys Ile Ile Ser Leu Asn Tyr Phe Val Gly
            35                  40                  45


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<400> 7230
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
            20                  25                  30

Xaa Xaa


<210> 7231
<211> 93
<212> PRT
<213> Homo sapiens
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6434

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<400> 7231
Leu Ala Leu Trp His Pro Val Leu Xaa Val Glu Leu Pro Gly Thr Xaa
 1               5                  10                  15


Ser Val Ser Pro Glu Ala Thr Ser Leu Glu Ala Ala Xaa Arg Xaa Xaa
                20                  25                  30


Xaa Ser Xaa Thr Thr Ile Phe Ile Val Ser Cys Val Ile Ala Tyr Phe
            35                  40                  45


Thr Asn Phe Ala Xaa Ala Leu Asn Leu Leu Asn Leu Leu Trp Pro Pro
        50                  55                  60


Pro Pro Xaa Lys Val Lys Xaa Val Asn Ser Asn Ser Xaa Pro Ala Pro
 65                  70                  75                  80


Gly Ser Ala Pro Val Ile Pro Thr Gly Trp Thr Lys Gly
                85                  90




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<220>
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6436

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Ala Lys Ser Asp Phe Ser Glu Phe Gly Ala Lys Arg Lys Phe Thr Gln
 1   5   10   15

Ser Phe Met Arg Ser Glu Glu Glu Gly Glu Lys Glu Arg Thr Glu Asn
            20   25   30

Arg Glu Xaa Gly Arg Phe Ala Ser Gly Arg Arg Ser Gln Tyr Arg Arg
            35   40   45

Ser Thr Asp Arg Glu Glu Glu Glu Xaa Met Asp Asp Glu Ala Ile Ile
        50   55   60

Ala Ala Trp Arg Arg Arg Arg Glu Xaa Thr Arg Thr Xaa Leu Xaa Lys
 65   70   75   80

Xaa Xaa Glu Asp

<210> 7233
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<212> PRT
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<400> 7233
Xaa Lys Leu Val Val Val Ser Leu Glu Asn Val Xaa Lys Met Xaa Leu
 1   5   10   15

Cys Val Leu Met Pro Trp Pro Asp Ser Leu Leu Xaa Phe Ile Glu Ile
            20   25   30

<210> 7234
<211> 89
<212> PRT
<213> Homo sapiens

<400> 7234
Leu Ala Glu Asn Arg Trp Pro Arg Gly Arg Gln Arg Asn Glu Gly Phe
 1   5   10   15

Leu Ser Ser Cys Thr Glu Gln Ser Ser Pro Gly Thr Asn Leu Glu Tyr
            20   25   30

Ser Val Gln Thr Thr Glu Glu Asp Lys Ile Asn Phe Tyr Ala Phe Lys
        35   40   45

Lys Asn Tyr Gly Gln Asn Asn Ile Arg Thr Lys Thr Phe Met Ile Phe
    50   55   60

Gln Leu Leu Gly Phe Val Tyr Gly Tyr Gln Gln Pro Cys Pro Ala Ile
 65   70   75   80

Val Phe Ile Leu Phe Gln Ala Gly Cys
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<400> 7235
Phe Xaa Val Xaa Phe Glu Ser Xaa Ile Thr Trp Leu Lys Xaa Ile Pro
 1   5   10   15

Thr Xaa Pro Glu Arg Asn Asn Pro Xaa Gly Thr Leu Thr Pro Pro Leu
            20   25   30

Trp Lys Arg Gly Xaa Lys Ile Pro Pro Leu Ser Leu Ala Xaa Asn Phe
            35   40   45

Phe Pro Leu Xaa Phe Leu Xaa Phe Xaa His Pro Phe Lys Lys Thr Phe
     50   55   60

<210> 7236
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<212> PRT
<213> Homo sapiens

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<400> 7236
Thr Ile Gly Ser Pro Gly Leu Tyr Xaa Ile Arg Xaa Xaa Leu Val Pro
 1               5                 10                15

Asn Ser Val Arg Xaa Ile Thr Ser Leu Glu Phe Leu Phe Phe Phe Pro
             20                  25                  30

Asn Ile Val Ser Leu Xaa Asn Xaa Leu Phe Asn Xaa Leu Xaa Ala Asn
         35                  40                  45

Leu




<210> 7237
<211> 30
<212> PRT
<213> Homo sapiens

<400> 7237
Gly Thr Pro Arg Asn Glu Gln Ala Gly Leu Pro Leu Tyr Arg Cys Trp
 1               5                 10                15

Leu Leu Lys Val Phe Asn Cys Lys Leu Gly Gly Phe Gly Asp
             20                  25                  30




<210> 7238
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6441

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<400> 7238
Val Leu Cys Pro Phe His Val Xaa Ile Cys Xaa Leu Thr Ile Leu Leu
 1               5                  10                  15

Xaa Pro Leu Ile Pro Ala Gln His Val Phe Trp Ser Met Lys Ile Val
                20                  25                  30

Leu Lys Thr Lys Ala Asn Ala Cys Ser Leu Pro Leu Ser Xaa Xaa Lys
            35                  40                  45

Ser Tyr Pro Lys Xaa Asp Phe Glu Phe Arg Ser Trp
        50                  55                  60




<210> 7239
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<400> 7239
Ala Ala Arg Ala Arg Ala Glu Phe Gly Thr Arg Gly Gly Pro Val Pro
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Asn Ser Pro Tyr Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu
                20                  25                  30

Gln Arg Arg Asp Trp Thr Xaa Lys
            35                  40



<210> 7240
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6443

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<400> 7240
Pro Lys Ala Gln Phe Phe Glu Ser Leu Trp Pro Glu Leu Asp Ser Gln
 1               5                  10                  15

Asp Ser Gly Ser Val Gln Arg Ala Arg Gly Thr Ala Ser Ser Ala Ala
            20                  25                  30

Ala Pro Leu Met Pro Ser Pro Ala Leu Leu Pro Leu Pro Gly Leu Asn
        35                  40                  45

Gly Val Ser Ile Glu Gly Trp Thr Pro Xaa Xaa Gly Glu Leu Val Pro
    50                  55                  60

Cys Gly Tyr Lys Leu Gly Ala Ser Leu Arg Ala Val Pro Gly Xaa Met
 65              70                  75                  80

Gly Ala Pro Leu Pro Pro Ala Thr Pro Pro Thr Xaa Lys Arg Xaa Asn
            85                  90                  95

Xaa Thr Ser Xaa Ala Asn Pro Ser Pro Pro Gly Phe Ser Arg Gly Ala
            100                 105                 110

Pro Gly Gln Lys Glu Leu Xaa Asn Cys Phe Gly Phe
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6445

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<400> 7241
Val Leu Pro Ser Pro Phe Glu Ser Pro Gly Pro Lys Arg Asn Lys Ser
  1               5                  10                  15


Trp Ser Ser Xaa Ala Val Ala Val Ala Leu Glu Leu Leu Asp Pro Pro
                20                  25                  30
```

```
Gly Cys Met Asn Ser Ala Xaa Ala Ala Ser Ser Pro Gly Xaa Gln Ser
        35              40              45

Pro Xaa Ala Pro Ser Gly Tyr Ser Xaa Xaa Xaa Trp Xaa Ser Gly Xaa
    50              55              60

Xaa Asp Ala Ala Arg Pro Pro Pro Thr Val Xaa Lys Ser Val Val Val
65              70              75              80

Xaa Gly Gly Ile Xaa Gly Val Thr Cys Ala Xaa Gln Ser Ala Thr Leu
            85              90              95

Phe Pro Ser Glu Asp Ile Leu Leu Val Xaa Xaa Ser Pro Val Xaa Asn
        100             105             110

Glu Phe Gln Ile Ser Ser Xaa Phe Leu Tyr Xaa Xaa Asn Asn Ser Met
        115             120             125

Phe Xaa
    130
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<210> 7242
<211> 56
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<400> 7242
Ile Ser Pro Phe Ser Glu Cys Leu Leu Lys Phe Met Pro Phe Phe Glu
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6447

```
 1               5              10             15

Tyr Gly Ser Trp Thr Pro Thr Leu Leu Leu Pro Thr Pro Pro Arg Asn
            20          25              30

Phe Leu Ile Cys Xaa Val Phe Phe Xaa Val Phe Xaa Asn Ser Xaa Val
        35              40              45

Ile Ile Leu His Asn Phe Gly Tyr
        50          55
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<210> 7243
<211> 20
<212> PRT
<213> Homo sapiens

<220>
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<400> 7243
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Val Glu Phe Phe Phe Phe Phe Leu Lys Asn Xaa Leu Xaa Lys Ile Xaa
  1               5              10             15

Pro Asn Thr Phe
            20
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<210> 7244
<211> 61
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7244
Asp Phe Xaa Ala Arg Ile Pro Leu Arg Asn Xaa Ala Ser Leu Xaa Gly
 1               5                  10                  15

Lys Lys Xaa Glu Leu His Arg Gly Gly Gly Arg Ser Thr Thr Ser Gly
            20                  25                  30

Ser Pro Gly Leu Gln Glu Phe Gly Thr Ser Gly Asn Leu Val Met Ala
            35                  40                  45

Val Val Xaa Glu His Pro Ala Phe Ala Xaa Xaa Pro Pro
        50                  55                  60


<210> 7245
<211> 58
<212> PRT
<213> Homo sapiens
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<400> 7245
Pro Leu Tyr Leu Leu His Asn Glu Leu Thr Arg Asn Asn Phe Ala Arg
  1               5                  10                  15


Arg Ala Lys Ala Lys Thr Pro Glu Thr Arg Arg Ala Thr Leu Glu Gln
             20                  25                  30


Leu Lys Glu His Thr Arg Leu Cys Xaa Lys Ile Val Gly Lys Ile Tyr
             35                  40                  45


Arg Leu Lys Arg Gln Thr Tyr Arg Ala Trp
        50                  55



<210> 7246
<211> 55
<212> PRT
<213> Homo sapiens


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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7246
Phe Tyr Arg Xaa Ile Ser Asp Ser Met Ile Phe Ser Xaa Val Ile Val
 1               5                  10                  15

Arg Xaa Met Cys Asn Val Xaa Ile Glu Thr Glu Xaa Tyr Lys Gly Gln
            20                  25                  30

Val Thr Cys Gln Cys Asp Met Xaa Arg His Ile Tyr Xaa Xaa Thr Trp
            35                  40                  45

Met Phe Leu Asn Leu Tyr Tyr
      50                  55




<210> 7247
<211> 31
<212> PRT
<213> Homo sapiens

<220>
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6451

<222> (22)
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<400> 7247
Phe Phe Phe Phe Leu Xaa Xaa Phe Pro Leu Lys Lys Phe Phe Pro Phe
 1   5   10   15

Pro Pro Xaa Pro Pro Xaa Phe Pro Phe Leu Asn Ile Ser Lys Pro
         20   25   30

<210> 7248
<211> 37
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 7248
Thr Val Ile Leu Lys Lys Met Ser Ile Gly Ile Tyr Phe Arg Glu Asn
 1   5   10   15

Ile Ser Ile Val Xaa Xaa Leu Pro Pro Pro Xaa Gly Xaa Glu Gly His
         20   25   30

Xaa Leu Trp Val Leu
         35

6452

<210> 7249
<211> 62
<212> PRT
<213> Homo sapiens

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<400> 7249
Pro Leu Asn Thr Pro Gln Ser Gln Xaa Xaa Leu Leu Xaa Gln Cys Ile
 1   5   10   15

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Lys Phe Ile Tyr Phe Xaa Xaa Pro His Thr Ile Leu Gly Pro Leu Lys
            20              25              .  30

Pro Met Val Lys Leu Ala Ala Leu Glu Leu Thr Xaa Asp Gln Ile Leu
            35              40              45

Thr Leu Leu Leu Ser Asn Ile Xaa Asn Trp Xaa Ile Ser Phe
        50              55              60
```

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<210> 7250
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7250
Asn Ser Asn Leu Thr Gly His Lys Tyr Thr Phe Gly Tyr Val Tyr Leu
    1              5              10              15

Leu Leu Thr Lys Val Lys Arg Asn Val Leu Met His Ser Leu Asn Leu
            20              25              30

Lys Tyr Thr Tyr Ile Lys Phe Leu Lys Asp Ala Asn Leu Asn Pro Ile
            35              40              45

Leu Asn Glu Lys Val
        50
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<210> 7251
<211> 45
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<400> 7251
Xaa Glu Lys Asn Pro Ser Leu Lys Lys Pro Pro Pro Lys Lys Lys Lys
 1               5               10              15

Asn Cys Ser Leu Ser Pro Leu Leu Xaa Gln Lys Phe Xaa Gly Xaa Xaa
            20              25              30

Phe His Leu Cys Pro Pro Asn Phe Ser Xaa Phe Leu Val
            35              40              45



<210> 7252
<211> 79
<212> PRT
<213> Homo sapiens

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6455

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6457

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<400> 7252
Phe Xaa Val Xaa Asn Xaa Phe Tyr Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa
  1               5               10              15

Xaa Xaa Leu Xaa Xaa Pro Met Xaa Lys Pro Pro His Cys Thr Glu Leu
            20              25              30

Xaa Pro Xaa Gly Thr Xaa Ile Ile Ile Xaa Arg Val Xaa Xaa Phe Tyr
        35              40              45

Gln Xaa Asn Leu Gln Ile Asn Ser Leu Gly Leu Xaa Pro Xaa Pro Xaa
    50              55              60

Pro Xaa Xaa Ile Lys Xaa Lys Lys Lys Ser Xaa Leu Leu Glu Thr
65              70              75



<210> 7253
<211> 72
<212> PRT
<213> Homo sapiens

<220>
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6459

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<400> 7253
Leu Asp Gln Lys Lys Ser Xaa Leu Phe Asp Leu Xaa Arg Xaa Asn Leu
 1               5                   10                  15


Pro Xaa Leu Tyr Thr His Val Cys Val Ser Leu Lys Arg Xaa Val Arg
                20                  25                  30


Leu Xaa Lys Ile Leu Ile Val Ile Asn His Val Xaa Thr Ser Cys Asn
            35                  40                  45


Glu Leu His Asp Leu Ile Leu Ser Leu Leu Ala Xaa Thr Thr Xaa Tyr
        50                  55                  60


Phe Ser Asn Xaa Xaa Ile Ser Pro
65                  70



<210> 7254
<211> 71
<212> PRT
<213> Homo sapiens

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<400> 7254
Glu Pro His Glu Xaa Xaa Pro Pro Lys Lys Leu Xaa Asn Asn Ser Phe
 1               5                   10                  15

Phe Xaa Lys Lys Gly Glu Ser Trp Leu Val Ala Gln Asn Tyr Phe Lys
             20                  25                  30

Asn Ser Ala Pro Xaa Gly Lys Thr Leu Leu Trp Tyr Phe Ser Xaa Lys
             35                  40                  45

Thr Xaa Tyr His His Xaa Leu Xaa Trp Phe Ser Gln Phe His Ser Gln
     50                  55                  60

Gly Glu Pro Xaa Pro Ser Cys
 65                  70


<210> 7255
<211> 45
<212> PRT
<213> Homo sapiens

<220>
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6461

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  1               5                  10                  15

Ile Val His Val Phe Tyr Val Ala Ser Asn Lys Leu Arg Gln Ser Tyr
              20                  25                  30

Thr Ser Ala Phe Gln Xaa Gly Ser Leu Phe Leu His Thr
              35                  40                  45



<210> 7256
<211> 116
<212> PRT
<213> Homo sapiens

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6463

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Lys Glu Lys Xaa Glu Thr Xaa Xaa Arg Lys Xaa Tyr Phe Gly Leu Xaa
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Xaa Leu Xaa Pro Ser Lys Asp Xaa Thr Leu Asn Leu Xaa Lys Lys Lys
            20   25   30

Phe Gly Xaa Xaa Leu Ile Thr Ile Ile Ile Xaa His Phe Thr Phe Xaa
            35   40   45

Pro Gly Ser Leu Leu Xaa Phe Xaa Leu His Tyr Leu Pro Xaa Xaa Leu

6464

```
         50                    55                    60

Tyr His Pro Leu Lys Lys Phe Leu Xaa Xaa Tyr Ile Phe Ile Leu Pro
65                    70                    75                    80

Phe Tyr Thr Lys Arg Xaa Asn Ser Gly Xaa Leu Val Gly Xaa Asn Pro
                  85                    90                    95

Leu Phe Ile Pro Pro Xaa Pro Phe Trp Glu Xaa Phe Lys Gly Xaa Lys
                  100                   105                   110

Gly Phe Phe Leu
              115
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<210> 7257
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Ile Met Gly Leu Ser Leu Pro Tyr Ile Phe Leu Leu Lys Ser Ile Leu
  1               5                    10                   15

Xaa Gln Cys Arg Leu Ile Ile Tyr Asn Leu Ile Tyr Met Asn Ser Leu
              20                   25                   30

Xaa His Pro Ser Phe Ile Leu Thr Ile Ile Val Tyr Met Xaa Xaa Ile
              35                   40                   45
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Pro Asn
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<210> 7258
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<400> 7258
Gly Lys Lys Glu Val Ala Pro Xaa Ser Glu Xaa Phe Ser Ile Thr Gly
 1   5   10   15

Ala Ile Arg Gly Ala Gly Xaa Thr Ser
            20   25

<210> 7259
<211> 78
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6466

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Trp Ser Met Xaa Tyr Leu Gln Trp Asn Ile Gly Leu Gly Ile Phe Pro
 1               5                  10                  15

Glu His Tyr Gln Val Ser Gly Trp Trp Glu Gly Trp Xaa Lys Pro Ile
            20                  25                  30

Pro Leu Xaa Leu Xaa Lys Xaa Leu Val Xaa Ala Gly Leu Trp Leu Xaa
            35                  40                  45

Leu Glu Ser Gly Leu Asn Pro Pro Tyr Xaa Gly Gly Xaa Trp Xaa Gly
        50                  55                  60
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6467

```
Lys Asn Gln Glu Asn Phe Val Pro Phe Pro Pro Trp Gly Ser
 65            .            70            75


<210> 7260
<211> 33
<212> PRT
<213> Homo sapiens

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<400> 7260
Gln Asn Pro Ser Cys Xaa Ser Xaa His Leu Leu Xaa His Phe Asp His
 1            5            10            15


Leu Ala Ser Xaa Ala Arg His Thr Arg Xaa Arg Leu Arg Leu Ser Gln
            20            25            30


Lys



<210> 7261
<211> 76
<212> PRT
<213> Homo sapiens
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<400> 7261
Xaa Arg His Ala Leu Val Gly Ala Ile Cys Asp Pro Lys Asn Ser Thr
 1               5                  10                  15

Phe Thr Ser Val Trp Leu Ile Leu Asn His Ser Ser Leu Cys Thr Tyr
            20                  25                  30

Ile His Thr His Thr His Ser Gly Leu Thr Gln Lys Lys Lys Xaa Ile
            35                  40                  45

Gln Thr Leu Gln Asn Tyr Pro Ser Phe Leu Tyr Xaa Leu Cys Arg Phe
        50                  55                  60

Met Xaa Thr Thr Cys Asn Cys His Asn Pro Xaa Gly
 65                  70                  75


<210> 7262
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<400> 7262
Xaa Ser Asn Pro Pro Pro Pro Leu Gly Lys Xaa Ala Gly Ala Arg Arg
 1               5                  10                  15

Gly Trp Thr Xaa Leu Xaa Leu Thr Gly Xaa Ser Xaa Gly Leu Ala Arg
            20              25                  30

Leu




<210> 7263
<211> 72
<212> PRT
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6470

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6471

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<400> 7263
Tyr Xaa Asn Met Gly Thr Arg Thr Xaa Gly Lys Gln Ile Xaa Thr Glu
 1               5                  10                  15

Xaa Ser Xaa Pro Xaa Ser Xaa Phe Leu Ser Xaa Ser Leu Ile Xaa Xaa
            20              25              30

Phe Ile Ile Xaa Xaa Ile Pro Xaa Val Leu Ser Met Leu Ile Xaa Xaa
        35              40              45

Ser Trp Ser Leu Thr Pro Pro Xaa Ile Lys Ser Phe Gly Ile Ile Tyr
    50              55              60

Asn Leu Leu Pro Xaa Phe Tyr Ser
65              70


<210> 7264
<211> 52
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Leu Glu Ala Asp Gly Ala Val Xaa Asn Ser Cys Arg Ala Leu Lys Gly
 1               5                  10                  15

Glu Xaa Ala Asp Leu Gln Xaa Glu Gly Lys Xaa Leu Xaa Leu Xaa Gly
              20                  25                  30

Pro Cys Xaa Phe Leu Pro Pro Phe Pro Gln Pro Tyr Ser Cys Pro Pro
          35                  40                  45

Leu Lys Phe His
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<210> 7265
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6473

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<211> 64
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<400> 7265
Pro Gly Leu Lys Ile Thr Ile Asn Lys Xaa Thr Ala Xaa Lys Leu Arg
 1               5                  10                  15

Leu Cys Xaa Ile Thr Ser Xaa Xaa Xaa Leu Pro Leu Asp His Thr Xaa
            20              25                  30

Xaa Xaa Trp Ile Ala Lys Xaa Asp Cys Pro Leu Tyr Asn Gly Gly Xaa
            35                  40                  45

Ile Xaa Leu Xaa Xaa Leu Asn Asp Gln Glu Gln Phe Cys Gln Asn Val
    50                  55                  60




<210> 7266
<211> 38
<212> PRT
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<220>
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<400> 7266
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5               10              15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Ala Val Leu Gly Lys
            20              25              30

Thr Gln Xaa Pro Xaa Xaa
        35




<210> 7267
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<212> PRT
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<220>
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<400> 7267
Pro Ser Thr Lys Pro Ser Cys Phe Gly Ala Asn Trp His Leu Xaa Pro
 1               5               10              15

Phe Gly Gly Ser Asp Lys Gln Ile Lys Leu Gln Leu Ala Val Gln Asp
            20              25              30

Ser Ala Arg Cys Leu His Leu Leu Leu Val Glu Ser Lys Pro Cys Ala
            35              40              45

Pro Phe Gln Ser Lys Ile Lys Gly Thr Gly Ile Phe Leu Glu Lys Lys
    50              55              60

Xaa Ile
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65

<210> 7268
<211> 66
<212> PRT
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<400> 7268
Phe Leu Asn Leu Thr Leu Arg Xaa Lys Met Glu Leu Xaa Ala Val Xaa

6477

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   1                5                    10                    15

Asp Ala Leu Gln Leu Val Asp Pro Pro Gly Cys Arg Xaa Xaa Gly Thr
            20                  25                  30

Arg Leu Phe Cys Ala Pro Val Leu His His Xaa Ser Met Ser Gln Val
            35                  40                  45

Ile Met Phe Phe Cys Thr Arg Xaa Leu Gly Met Gln Arg Xaa Leu Glu
        50                  55                  60

Leu Thr
 65
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<210> 7269
<211> 48
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<213> Homo sapiens

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<400> 7269
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Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser Tyr
 1               5                   10                  15

Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Leu Asp Trp Glu Asn Ser
            20                  25                  30

Cys Leu Xaa Asp Pro Xaa Asn His His Met Xaa Ile Pro Ile Xaa Thr
        35                  40                  45
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<210> 7270
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<212> PRT
<213> Homo sapiens

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<400> 7270
Tyr Xaa Xaa Xaa Thr Leu Cys Gly Leu Cys Leu Gln Ser Ser Arg Lys
 1               5                   10                  15

Xaa Lys Val Arg
            20




<210> 7271
<211> 101
<212> PRT
<213> Homo sapiens

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6479

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<400> 7271
Leu Val Val Lys Tyr Ser Asp Ile Arg His Ser Pro Arg His Val Leu
  1           5               10              15

His Thr Cys Thr His Thr Met Ser His Arg Gly His Thr Val Phe Arg
            20              25              30

Ile Val Thr Ile Xaa Arg Xaa Ser Leu Leu Trp Tyr Met Leu Lys Tyr
            35              40              45

Leu Leu Phe Trp Ala Lys Ala Pro Arg Gln Xaa Leu Leu Ile Met Val
        50              55              60
```

6480

```
Ala Gly Lys Arg Gly Xaa Glu Lys Arg Pro Gly Gln Val Lys Thr Xaa
 65               70             75                 80

Phe Xaa Gln Xaa Leu Asn Ser Cys Leu Gln Xaa Trp Ala Glu Lys Gly
             85             90                 95

Arg Lys Xaa Ser Phe
         100




<210> 7272
<211> 26
<212> PRT
<213> Homo sapiens

<400> 7272
Asn Lys Leu Ile Val Asn Ile Leu Pro Lys Arg Ile Ser Ile Arg Tyr
 1               5             10                 15

Ile Asn Leu Leu Met Asp Ser Gln Thr Met
             20             25




<210> 7273
<211> 37
<212> PRT
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<220>
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<400> 7273
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
 1               5             10                 15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
             20             25                 30
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6481

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Gly Xaa Pro Xaa Xaa
        35


<210> 7274
<211> 61
<212> PRT
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<400> 7274
Leu Thr Cys Ser Glu Thr Gly Ala Ala Ser Leu Leu Arg Ala Gly Pro
 1               5                  10                  15

Gly Ser Ser Ser Phe Arg Thr Glu Arg Leu Phe Gln Phe Gly Ser Leu
            20                  25                  30

Glu Lys Glu Lys Xaa His Phe Xaa Lys Phe Pro Asn Glu Thr Lys Lys
        35                  40                  45

Pro Pro Pro Phe Ser Xaa Pro Cys Ser Thr Ala His Xaa
        50                  55                  60


<210> 7275
<211> 38
<212> PRT
<213> Homo sapiens
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<400> 7275
Ala His Gly Ile Lys Gln Thr Ser Xaa Tyr Ile Pro Xaa Tyr Pro Arg
 1               5                  10                  15


Ile Phe Leu Lys Leu Met Cys Leu Ser His Ala Phe Asn His Phe Xaa
            20                  25                  30


His Leu Lys Thr Xaa Xaa
            35




<210> 7276
<211> 43
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<400> 7276
Ala Ala Arg Ala Ala Arg Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg
 1   5   10   15

Tyr Pro Ile Arg Pro Ile Val Ser Arg Ile Thr Ile His Trp Pro Ser
            20   25   30

Phe Tyr Asn Val Val Thr Gly Xaa Pro Lys Xaa
        35   40

<210> 7277
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<212> PRT
<213> Homo sapiens

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<400> 7277
Xaa Phe Leu Ile Leu Leu Leu Leu Ala Pro Ser Val Xaa Ile Asn Tyr
 1   5   10   15

6484

```
Ile Phe Leu His Gln Ile Phe Tyr Thr Ile Arg Phe Phe Asp Xaa Lys
            20                  25                  30

Ile Ile Phe Ser Phe Thr Leu Leu Ile Ser Glu Gly His Lys Ile Lys
            35                  40                  45

Tyr Phe Leu Val His Asp Xaa Xaa Ser Leu Leu Xaa
            50                  55                  60
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<210> 7278
<211> 67
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<400> 7278
Leu Asn Asn Ile Lys Ser His Val Lys Gly Pro Phe Ala Ser Val Pro
 1               5                  10                  15

Phe Thr Gln Tyr Ile Thr Phe Ser Phe Gln Gln Lys Lys Leu Xaa Gly
            20                  25                  30

Ile Leu Lys Gly Gln Lys Asn Ser Leu Lys Xaa Asp Ser Lys Gln Xaa
            35                  40                  45
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6485

Asp Lys Thr Xaa Ile Trp Arg Lys Met Leu Lys Ser Ser Asp Trp Lys
        50   55   60

Phe Xaa Thr
 65

<210> 7279
<211> 33
<212> PRT
<213> Homo sapiens

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<400> 7279
Thr Cys Xaa Ser Lys Xaa Gly Pro Xaa Lys Asn Xaa Arg Leu Asn Leu

6486

```
        1                5                   10                  15

     Tyr Arg Gly Xaa Gly Arg Phe Lys Ile Xaa Gly Ser Pro Gly Xaa Lys
                    20                  25                  30

     Glu




<210> 7280
<211> 24
<212> PRT
<213> Homo sapiens

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<400> 7280
Lys Gly Lys Leu Asn Ile Ala Lys Lys Lys Lys Gly Phe Lys Xaa Gly
  1                5                   10                  15

Ala Xaa Gly Xaa Pro Phe Xaa Ser
              20




<210> 7281
<211> 40
<212> PRT
<213> Homo sapiens

<400> 7281
His Val Ser Ser Phe Arg Lys Gln Leu Tyr Cys His Thr Ile Val Gly
```

6487

```
     1                    5                    10                   15

Arg Lys Thr Phe Ile Trp Asn Ile His Tyr Cys Lys Phe Val Gln Ile
            20                    25                   30

Ile Tyr Leu Pro Pro Val Phe Ala
            35                    40
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<210> 7282
<211> 36
<212> PRT
<213> Homo sapiens

<220>
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<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7282
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Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
  1                5                    10                   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
            20                    25                   30

Gln Xaa Xaa Xaa
            35
```

<210> 7283
<211> 37
<212> PRT
<213> Homo sapiens

<400> 7283
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Thr Val Pro Pro Cys Leu Pro Ala Phe Ala Glu Leu Glu Leu Ser Leu
  1                5                    10                   15
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6488

Ser Ala Cys Ser Thr Tyr Thr Leu Pro Val His Trp Leu Ser Asn Arg
                20   25   30

Phe Lys Glu Arg Ser
            35

<210> 7284
<211> 19
<212> PRT
<213> Homo sapiens

<220>
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<221> SITE
<222> (18)
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<400> 7284
Ala Ser Phe Phe Phe Phe Phe Phe Leu Asn Leu Xaa Asp Xaa Phe Phe
 1   5   10   15

Xaa Xaa Phe

<210> 7285
<211> 70
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7285
Trp Ile Ser Ser Leu Val Leu Asn Glu Gly Gln Val Trp Leu Ala Val
 1   5   10   15

Xaa Arg His Ser Phe His Gly Gly Arg Leu Ala Ala Asn Arg Gln Ala
            20   25   30

Gly Pro Lys His Ser Gly Leu Leu Lys Ala Gly Gly Val His Xaa Asp
        35   40   45

Ser Cys Trp Arg Ala Val Glu Leu Phe Pro Gly Ile Arg Phe Gly Phe
    50   55   60

Ser Gly Thr Ile Pro Xaa
65   70

<210> 7286
<211> 98
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 7286
Val Ser Ile Lys Asn Gly Phe Leu Leu Ser Ala Pro Met Xaa Gly Ser
  1   5   10   15

Val Cys Gly Val Thr Ser Gln Cys Arg Ser Phe Ser Trp Ser Pro Asp
              20   25   30

Cys Ser Leu Ile Pro Asp Gln Gly Leu Val Xaa Phe Lys Asn Ser Ser
            35   40   45

Met Ala Xaa Asn Ala Trp Leu Val Gln Xaa Glu Cys Phe Phe His Lys
        50   55   60

Xaa Ser Ser Ser Pro Val Phe Thr His Xaa Xaa Ile Pro His Ser Phe
65   70   75   80

Pro Thr Lys Ser Thr Pro Xaa Gly Cys Cys Leu Pro Tyr Phe Pro Asn
                85   90   95

Phe Pro

<210> 7287
<211> 57
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7287
Leu Tyr Leu Leu Lys His Val His Leu His Ile Phe Thr Gly Leu Leu
  1   5   10   15

Thr Val His Phe Xaa Ser Ser Arg Lys Trp His Gln Xaa Gly Ser Thr
              20   25   30

Lys Asn Met Ile Thr Lys Asn Ile Ile Ile Ile Pro Phe Xaa Lys Thr
          35   40   45

Xaa Xaa Pro Arg Leu Pro Asn Phe Xaa
      50   55

<210> 7288
<211> 41
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
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<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7288
Leu Val Ser Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
  1               5                  10                  15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
            20                  25                  30

Pro Ser Xaa Xaa Phe Phe Ser Xaa Ala
        35                  40




<210> 7289
<211> 21
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<400> 7289
Cys Glu Ala Ser Trp Xaa Leu Cys Xaa Gly Lys Trp Tyr Gln Xaa Thr
 1   5   10   15

Ala Trp Pro Pro Xaa
              20

<210> 7290
<211> 49
<212> PRT
<213> Homo sapiens

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<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7290
Glu Asn Thr Glu Cys Val His Gln Ile Leu Ser Ala Ala Val Xaa Phe
 1   5   10   15

Cys Leu Leu Phe Xaa Leu Ser Ser Asp Val Thr Phe Ile Lys Asp Asn
              20   25   30

Pro Leu Arg Thr Leu Phe Tyr Phe Leu Thr Asn Gln Asn Val Val Phe
          35   40   45

Lys

<210> 7291
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7291
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                   10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Xaa Thr Gly Lys Pro
             20                  25                  30

Xaa Xaa




<210> 7292
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (14)
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<220>
<221> SITE
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<400> 7292
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Xaa Arg
 1               5                   10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Phe Val Thr Gly Thr Pro
             20                  25                  30

Lys Xaa
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<210> 7293
<211> 34
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7293
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Xaa Xaa Arg
 1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
            20                  25                  30

Xaa Xaa


<210> 7294
<211> 36
<212> PRT
<213> Homo sapiens

<220>
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<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7294
Val Ile Xaa Ser Leu Lys Ser Thr Phe Lys Ala Phe Gln Ile Lys Lys
 1           5                  10                  15

Ser Asn Leu Thr Asn Cys Ser Leu Leu Ile Ser Xaa Asn Glu Ile Met
            20                  25                  30

Asn Val Leu Ala
        35



<210> 7295
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (15)
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7295
Ala Ser Leu Glu Phe Phe Phe Phe Phe Phe Lys Xaa Xaa Xaa Xaa Asn
 1           5                  10                  15

Xaa Asn
```

6497

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<210> 7296
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7296
Arg Lys Trp Ala Ala Trp Ile Ser His His Pro Met Ser Ala Ala Ala
  1               5                  10                  15

Gln Val Ser Leu Thr Val Ser Trp Val Cys Gly Gly Asp Trp Gly Val
             20                  25                  30

Arg Lys Gly Trp Xaa Gly Xaa Leu Lys Arg Lys Gln Leu Gln Pro Glu
         35                  40                  45

Ala Gln Thr Gly Cys Arg Val Thr Pro Ser Ser His Leu Glu Ser Trp
     50                  55                  60

Thr Pro Pro Thr Leu Ile His Pro Val Pro Gln Pro
 65                  70                  75


<210> 7297
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids
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6498

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<400> 7297
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15


Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
            20                  25                  30


Gln Xaa Xaa
        35




<210> 7298
<211> 84
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<220>
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<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

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6499

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (57)
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<220>
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<222> (58)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (73)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7298
Lys Asn Pro Lys Pro Leu Pro Val Val Leu Tyr Tyr Asn Cys Leu Asn
 1   5   10   15

Trp Gly Xaa Xaa Thr Pro Pro Cys Phe Pro Phe Xaa Pro Gln Ile Xaa
            20   25   30

Xaa Leu His Phe Leu Leu Gly Ser Gln Phe Xaa Lys Ile Pro His Xaa
        35   40   45

Lys Phe Xaa His Trp Ala Pro Xaa Xaa Xaa Lys Thr Pro Ile Ser His
    50   55   60

Ser Leu Glu Gly Leu Glu Lys Thr Xaa Gly Lys Phe Leu Glu Xaa Asn
65   70   75   80

Pro Phe Phe Xaa

<210> 7299
<211> 68
<212> PRT
<213> Homo sapiens

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<221> SITE
<222> (16)
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<220>
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<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7299
Ile Cys Ala Arg Phe Val Lys Ile Thr Leu Phe Leu Lys Leu Phe Xaa
 1   5   10   15

Gln Val Ser Leu Pro His Ala Tyr Xaa Pro Lys Xaa Leu Gly Ile Lys
            20   25   30

Gly Leu Thr Thr Ala Pro Gly Gln Ile Pro Val Pro Phe Pro Lys Lys
            35   40   45

```
Thr Pro Asn Leu Thr Leu Glu Leu Ile Gln Phe Xaa Pro Xaa Phe Ile
      50                  55                  60

Leu Lys Leu Xaa
  65




<210> 7300
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7300
Trp Ile Ile Glu Phe Tyr Leu Xaa Lys Glu Lys Leu His Glu Lys His
  1               5                  10                  15

Ile Ser Lys Phe Lys Asn Lys Glu Ser Lys Ser Thr Ser Thr Ser Thr
              20                  25                  30

Cys Leu Ile Ile Pro Thr Phe His Leu Ile Ser Ile Tyr Ile
          35                  40                  45




<210> 7301
<211> 81
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
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<220>
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<220>
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<222> (23)
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<220>
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6502

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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7301
Pro His Thr Arg Ala Leu Thr Glu Xaa Met Pro Arg His Leu Cys Pro
 1   5   10   15

Val Ser Phe Ile Pro Xaa Xaa Val Cys Leu Lys Ile Phe Pro Gln Pro
             20   25   30

Glu Ser Phe Pro Asn His Leu Xaa Lys Lys Xaa Tyr Ala Ser Leu Xaa
             35   40   45

Thr Leu Leu Arg Thr Gln Leu Leu Leu Lys Ala Ser Ala Thr Ser
         50   55   60

Xaa Xaa Pro Pro Lys Leu Lys Xaa Ser Ala Phe Ser Gly Gly Pro Gly
 65   70   75   80

Xaa

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<210> 7302
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

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Xaa Leu Cys Tyr Ser Xaa Thr Met Xaa Met Phe His Ser Leu Thr Ser
            20   25   30

Pro Val Pro Xaa Xaa Trp Ile Pro Tyr Xaa Tyr Cys Xaa Gln Val Leu
            35   40   45

Gln Ser Val Thr Cys Val Ile Ser Xaa Phe Xaa Ser Cys Cys Xaa Phe
        50   55   60

Ile Tyr Xaa Ile Asn Xaa Pro Lys Ile Asn Trp Cys Val Xaa Xaa Val

6506

```
        65                    70                    75                    80
Xaa Val Phe Gly Tyr Pro Gln Lys Lys Xaa Gly Gln Xaa Pro Pro Val
                    85                    90                    95

Lys Xaa Xaa Phe Xaa Phe Gly Thr Pro Xaa Xaa Phe Lys Xaa Phe Xaa
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Xaa Xaa Phe
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Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr Gly Lys Thr
                20                  25                  30

Gln Xaa Xaa Xaa
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6507

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 1   5   10   15

Tyr Xaa Gln Xaa Xaa Asn Xaa Xaa Xaa Gly Thr Xaa His Ile Cys Asn
         20   25   30

Pro Lys Trp Ala Ala Leu Lys Xaa Ser Phe Ala Val Lys Ser Gln Cys
         35   40   45

Pro His Xaa Lys Xaa Ser Ser Gly Leu Gln Leu Ile Tyr Ser Cys Pro
    50   55   60

6509

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Xaa Cys Ser Ser Leu Ala Pro Leu Asn Val Leu His Lys Xaa Gly Xaa
 65                  70                  75                  80

Trp Ala
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6510

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Asp Lys Ile Leu Phe Ile Gly Pro Xaa Ile Tyr Trp Leu Trp Gly Leu
 1   5   10   15

Val Xaa Xaa Leu Arg Glu Arg Pro Thr Leu Lys His Xaa Pro Met Cys
            20   25   30

Trp Asp Val His Arg Met Xaa Ser Xaa Pro Arg Xaa Leu Ser Tyr Leu
            35   40   ·   45

Gly Xaa Xaa Lys Pro Pro Leu Trp Ala His Leu Val His Phe Xaa Asn
        50   55   60

Pro Leu Xaa Pro Xaa Lys Gly Phe Phe Pro Arg Phe Pro Lys Gly Pro

6511

```
     65                      70                      75                      80

  Pro Xaa Gly Val Xaa Xaa Pro Ser Lys His Lys Gly Pro Ala Leu Ile
                      85                      90                      95

  Asn Leu Glu Val Gly Asn
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  Gly Pro Gly Arg Phe Pro Ile Leu Gly Arg Lys Lys Lys Asn Xaa Trp
    1               5                      10                      15

  Xaa Pro Phe Lys Lys Thr Xaa Ser Leu Lys Lys Lys Asn Phe Xaa Xaa
                  20                      25                      30

  Gly Lys
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<210> 7307
<211> 34
<212> PRT
<213> Homo sapiens

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<400> 7307
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1           5               10              15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
            20              25              30

Gln Xaa
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<210> 7308
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<212> PRT
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 1               5               10              15

Lys Arg Lys Gly Lys Pro Ser Leu Leu Glu Leu Pro Phe Gly Ile Pro
            20              25              30

Pro Arg Leu Asn Phe Xaa Thr Pro Cys Phe Ile Xaa Xaa Ile Thr Pro
        35              40              45

Xaa Pro Ile Xaa Xaa Asn Pro Asn Phe Glu Pro Phe Ile Cys His Gln
    50              55              60

Lys Lys Pro Phe Phe Tyr Leu Pro Thr Ile Ser Gln Xaa Pro Arg Phe
65              70              75              80

Glu Thr Ser Xaa Ile Pro Asn Leu Gln Leu Ser Leu His Arg Xaa Ile
            85              90              95
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6514

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Phe Pro Asn Leu Leu Cys
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<400> 7309
Gly Gln Xaa Xaa Arg Ile Pro Gly Cys Ala Ile Pro Xaa Cys Xaa Gly
 1               5                  10                  15

Leu Leu Gly Xaa Ser Tyr Phe
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<400> 7310
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Xaa Pro Ile Val Ser Xaa
  1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
             20                  25                  30

Gln Asn Xaa Xaa Xaa
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<212> PRT
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<400> 7311
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
 1               5                   10                  15


Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Xaa Val Thr
             20                  25                  30


Gly Lys Thr Xaa Gly Xaa
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<400> 7312
Val Ile Gln Leu Ser Asp Gly Ser Xaa Val Xaa Thr Leu Ser Asp Glu
 1   5   10   15

Asp Ser Xaa Tyr Arg Cys Xaa Gly Tyr Asn Val Arg Leu Leu Ala Leu
            20   25   30

Glu Ile Ala His Gly Leu Ser Ser Ser Leu Gln Ser Xaa Xaa Leu Val
        35   40   45

Asp Gln Lys Cys Xaa Ser Asp Ile Glu Xaa Xaa Lys
        50   55   60

<210> 7313
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Xaa Thr Gly Leu Met Xaa Asn Ser Asn Val Arg Leu Thr Glu Thr Asp
 1               5                  10                  15

Pro Pro Gly Ile Tyr Pro Asp Phe Lys Arg Xaa Pro Xaa Pro Xaa Xaa
               20                  25                  30

Asn Xaa Xaa Ile Trp Leu Ser Xaa Xaa Pro Xaa Gln Tyr Trp Ile Trp
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6520

```
              35                    40                    45
     Xaa Ser Pro Asn Pro Thr Xaa Ile Met Ala Xaa Thr Xaa Ala Val Gly
          50                    55                    60

     Ile Xaa Ile Gly Gly Pro Xaa Xaa Leu Phe Xaa Xaa Ile Pro Gly Ser
      65                    70                    75                    80

     Xaa Ala Lys Phe Pro Trp Gly Trp Gly Asn Gln Xaa Pro Cys Cys Leu
                       85                    90                    95

     Lys Asn
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<210> 7314
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<212> PRT
<213> Homo sapiens

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Thr Ser Xaa Xaa Glu Met Leu Ala Glu Met Lys Gly Cys Cys Gln Cys
 1               5                  10                  15

Asn Ala His Gly Gly Ala Leu Gln Val Ser Ala Xaa Pro Xaa Pro Ala
             20                  25                  30

Ser Pro Ala Leu Leu Ser Gln Ala Xaa Xaa Arg Arg Gly Thr Leu Xaa
             35                  40                  45

Thr Pro Ser Leu Gly Ser Xaa Xaa Ile Gly His Lys Ser Leu Xaa Cys
         50                  55                  60

Xaa Gly Xaa Ala Gln Val His Ile Xaa Glu His Leu Xaa Met Xaa Leu
 65                  70                  75                  80

Gly Glu Pro Ser Ala Gln Pro Thr Ser Gly Lys Asn Lys Phe Trp Gly
                 85                  90                  95

His Gly Ala Pro Lys Lys Thr Xaa Ile Glu Tyr Phe Cys Leu Phe Xaa
            100                 105                 110

Ser Ala Xaa His Xaa Lys Leu Pro Xaa Glu Asn Phe Leu Gln Thr
            115                 120                 125


<210> 7315
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<213> Homo sapiens
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 1   5   10   15

Leu Gln Phe Lys Met Lys Ser Val Ser Phe Phe Leu Tyr Phe Ser Ala
           20   25   30

Lys Gln Asp Ala Thr Leu Xaa Leu Pro Pro Leu Thr Ile Asn Arg Xaa
         35   40   45

His Ser Gly Leu Lys Ala Ala Pro Pro Phe Asn Leu Xaa Ile Trp Gln
       50   55   60

Thr Xaa Ser Leu Glu Xaa Asn Ser Ala Xaa Ile Phe Phe Leu Asn
 65   70   75

<210> 7316
<211> 45
<212> PRT

6524

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<213> Homo sapiens

<220>
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<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7316
Ser Ser Ser His Leu Ser Gln Leu Asn Asn Val Thr Pro Pro Pro Leu
 1               5                  10                  15

Pro Leu Lys Ile Cys Leu Leu Tyr Phe Tyr Leu Arg Phe Lys Ser Gly
                20                  25                  30

Phe Phe Tyr Glu Ser Leu Val Xaa Ser Ser Xaa Leu Tyr
            35                  40                  45



<210> 7317
<211> 38
<212> PRT
<213> Homo sapiens

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<400> 7317
Ala Ala Arg Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile
 1               5                  10                  15

Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr
                20                  25                  30
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6525

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Gly Lys Thr Xaa Xaa Xaa
            35


<210> 7318
<211> 19
<212> PRT
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<400> 7318
Gly Thr Arg Val Cys Phe Phe Phe Lys Xaa Gly Leu Xaa Phe Xaa Gly
  1               5                  10                  15

Xaa Arg Xaa


<210> 7319
<211> 35
<212> PRT
<213> Homo sapiens

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<400> 7319
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15


Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Asn Pro
            20                  25                  30


Xaa Xaa Xaa
        35




<210> 7320
<211> 51
<212> PRT
<213> Homo sapiens

<400> 7320
Ala Lys Met Arg Ile Thr Ile Pro Asn Val Lys Pro Gly Leu Glu Thr
 1               5                  10                  15


Ala Val Leu Ala Gln Phe Ser Ile Ser Ser Gln Cys Tyr Asn Leu Ile
            20                  25                  30


Pro Ser Leu Val Arg Lys Leu Asn Lys Met Asp Ser Leu Arg Phe Pro
            35                  40                  45


Val Arg Ile
        50




<210> 7321
<211> 51
<212> PRT
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6527

<221> SITE
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<400> 7321
Lys Xaa Val Met Glu Thr Phe His Met Lys Pro Ser Leu Thr Glu Ile
  1   5   10   15

Thr Leu Leu Leu Asn Asn Ser Xaa Asn Phe His Leu Gln Ser Val Trp
            20   25   30

Asn Phe Met Xaa Val Xaa Glu Ser His Leu Xaa Gln Cys Leu Ile Thr
        35   40   45

Ser Leu Pro
    50

<210> 7322
<211> 38
<212> PRT
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<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7322
Lys Val Tyr Lys Arg Trp Xaa Leu His Arg Gly Pro Arg Lys Asn Leu
  1               5                  10                  15

Glu Leu Met Asp Pro Pro Gly Cys Arg Xaa Phe Gly Thr Xaa Gly Thr
            20                  25                  30

Asn Ala Xaa Phe Ile Xaa
            35




<210> 7323
<211> 38
<212> PRT
<213> Homo sapiens

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<400> 7323
Asn Tyr Trp Ile Pro Arg Ala Ala Xaa Asn Ser Val Arg Xaa Glu Lys
 1               5                  10                  15


Xaa Asn Pro Met Arg Val Thr Ser His Pro Thr Asn Ser Val Ser Thr
            20                  25                  30


Phe Cys Val Gly Glu Xaa
            35




<210> 7324
<211> 69
<212> PRT
<213> Homo sapiens


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<223> Xaa equals any of the naturally occurring L-amino acids


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<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7324
Pro Leu Glu Pro Ala Gln Ala Lys Trp Thr Leu His Trp Ser Asp Thr
 1               5                  10                  15


Cys Cys Phe Gln Ala Cys Pro Ser Asn Leu Pro His Val Leu Cys Leu
```

6530

```
                20                  25                  30
    Leu Phe Ser Leu Pro Arg Ser Val Thr Ile Val Glu Thr Pro Gly Xaa
              35                  40                  45

    Gln Trp Xaa Ile Gly Xaa His Pro Trp Xaa Glu Thr Gly Phe Pro Asp
          50                  55                  60

    Xaa Lys His His Gly
     65
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<210> 7325
<211> 75
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7325
Leu Xaa Arg Val Leu Leu Asn Lys Gly Asn Lys Arg Pro Ser Ser Thr
 1               5                  10                  15
```

6531

```
Xaa Gly Gly Xaa Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu
            20                      25                30

Ser Gly Thr Ser Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr
            35                  40                45

Ser Glu Ser Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp
        50                  55                  60

Trp Glu Asn Pro Lys Xaa Xaa Xaa Phe Phe Val
65                  70                  75
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<210> 7326
<211> 66
<212> PRT
<213> Homo sapiens

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<221> SITE
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<400> 7326
Tyr Xaa Xaa Val Asp Pro Pro Leu Asn His Xaa Pro Xaa Leu Ser Leu
 1   5   10   15

Thr Lys Arg Lys Pro Ser Pro His Ser Leu Asn Leu Ile His His Ser
            20   25   30

Arg Gln Xaa Arg Trp Ile Lys Pro Xaa Pro Ala Thr Gln Asn Leu Xaa
        35   40   45

Ile Leu Leu Asn Xaa Pro His Xaa Met Asn Asn Ser Ser Ser Thr Val
    50   55   60

Gln Thr
 65

<210> 7327
<211> 44
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7327
Gly Lys Ile Pro Asp Tyr Val Ala Leu His Val Arg Asp Pro Lys Glu
 1               5                  10                  15


Thr Arg Leu Ser Thr Gly Arg Val Pro Glu Xaa Asn Leu Val Ser Arg
            20                  25                  30


Pro Gln Ile Asp Phe Asp Gly Xaa Asp Phe Xaa Xaa
            35                  40




<210> 7328
<211> 38
<212> PRT
<213> Homo sapiens


<220>
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<400> 7328
Ala Ala Xaa Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15


Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
            20                  25                  30


Xaa Val Xaa Xaa Phe Ser
```

6534

35

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<210> 7329
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7329
Asp Xaa Thr His Ser Asp Arg Cys Cys Xaa Val Pro Xaa Asn His Xaa
  1               5                   10                  15

His Cys



<210> 7330
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (92)
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6535

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7330
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Phe Gly Leu Ser His Leu Pro Pro Leu His Cys Arg Leu Cys Thr Lys
 1           5               10       ·          15

Pro Arg Tyr Leu Leu Leu Ser Glu Pro Cys Cys Phe Tyr Ile Pro Cys
         20               25               30

Met Cys Thr Cys Cys Ile Tyr Cys Leu Leu Cys Lys Leu Leu Pro Ser
         35               40 ·               45

Phe Pro Arg Ala Phe Arg Gly Leu Thr Leu Cys Phe Ser Leu Pro Xaa
     50               55               60

Thr Leu Val Thr Pro Phe Cys Val Ser Ile Thr Phe Thr Val Val Leu
 65               70               75               80

Cys Tyr Ser Tyr Leu His Val Cys Pro Ile Leu Xaa Glu Leu Ser Ala
             85               90               95

Thr
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<210> 7331
<211> 40
<212> PRT
<213> Homo sapiens

<400> 7331
```
Thr. Val Leu Met Glu Tyr Gly Leu Ile Tyr Ile Leu Leu Ser Trp Thr
 1           5               10               15

Asn Thr Ile Cys Phe Trp Leu His Ser Thr Asn Arg Thr Trp Gln Asp
         20               25               30

Lys Phe Met Val Arg Val Gly Trp
         35         ·     40
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<210> 7332
<211> 33
<212> PRT
<213> Homo sapiens

<220>
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6536

<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7332
Leu His Gln Arg Gly Leu Ser Leu Xaa Gly Thr Ser Gly Ser Pro Gly
  1   5   10   15

Leu Gln Glu Xaa Arg Thr Ser Glu Ser Xaa Ile Leu Leu Ile Xaa Xaa
             20   25   30

Leu

<210> 7333
<211> 45
<212> PRT
<213> Homo sapiens

<220>
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<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<220>
<221> SITE
<222> (45)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7333
Gly Gly Ser Ala Ser Leu Ser Ser Ser His Lys Lys Gly Thr Lys Gly
 1               5                  10                  15

Pro Ala Pro Pro Thr Val Ala Xaa Ala Leu Glu Leu Val Asp Pro Pro
            20                  25                  30

Gly Cys Arg Asn Pro Ala Arg Val Xaa Pro Xaa Xaa Xaa
            35                  40                  45



<210> 7334
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
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6538

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<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7334
Ser Pro Ala Xaa Gln Met Xaa Ser Ser Xaa Pro Leu Tyr Phe Ser Gly
 1               5                   10                  15


Val Xaa Leu Val Lys Arg Ile Cys Xaa Gly Glu Glu Leu Leu Ala Xaa
            20                  25                  30


Leu His Leu
        35




<210> 7335
<211> 17
<212> PRT
<213> Homo sapiens


<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids


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<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids
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6539

<400> 7335
Xaa Lys Ser Asp Gly His Leu Xaa Ala Xaa Asp Lys Asp Xaa Thr Xaa
 1   5   10   15

Pro

<210> 7336
<211> 48
<212> PRT
<213> Homo sapiens

<220>
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<222> (3)
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<220>
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<222> (10)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE

6540

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<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7336
Lys Thr Xaa Trp Phe Cys Leu Val Ser Xaa Ile Glu Phe Val Cys Gly
 1           5                   10                  15


Phe Lys Phe Xaa Xaa Asn Phe Tyr Phe Tyr Leu Phe Pro Phe Ile Tyr
          20                  25                  30


Xaa Cys Leu Phe Cys Tyr Phe Cys Xaa Val Phe Leu Xaa Pro Leu Xaa
          35                  40                  45




<210> 7337
<211> 22
<212> PRT
<213> Homo sapiens

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<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7337
Val Trp Gly His Pro Xaa Lys Asn Lys Xaa Pro Gly Ala His Trp Val
 1           5                   10                  15

Asn Ser Leu Tyr Glu Lys
          20




<210> 7338
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids
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6541

<400> 7338
Ala Arg Ala Glu Phe Gly Thr Arg Gly Ala Arg Tyr Pro Ile Arg Pro
 1   5   10   15

Ile Val Ser Arg Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val
             20   25   30

Thr Gly Asn Pro Lys Xaa
         35

<210> 7339
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
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<220>
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<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7339
Leu Ser Lys His Thr Ile Tyr Met Thr Leu Ile Leu Ile Thr Arg Ser
 1   5   10   15

Asn Gln Xaa Asp Asn Glu Ile Pro Ile Ile Lys Phe Gly Glu Lys Xaa
             20   25   30

Ser Lys Ile Tyr Gln Asn Ile Cys Pro Pro Xaa Arg Cys Ile Ser Ser
             35   40   45

Leu

<210> 7340
<211> 18
<212> PRT

6542

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<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7340
Lys Asn Glu Val Thr Asp Xaa Leu Lys Lys Lys Lys Lys Lys Ile Pro
 1               5               10                  15

Xaa Leu




<210> 7341
<211> 88
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (58)
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<220>
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<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7341
Phe Pro Ile Gly Pro Phe Phe Phe Ser Cys Lys Thr Val Leu Leu Leu
 1               5               10                  15

Ile Lys Ile Ile Leu Glu Tyr Cys Gln Cys Val Asp Asn Ile His Leu
            20              25              30

Leu Leu Leu Thr Ala Tyr Ser Ser Val Lys Leu Leu Lys Val Leu Asn
        35              40              45

Ile Met Lys His Leu Val Lys Asn Trp Xaa Gly Ser Asn Xaa His Gly
    50              55              60

Arg Asn Pro Arg Thr Leu Gln Ile Pro Pro Leu Ile Leu Asn Ser Lys
 65              70              75                  80
```

6543

Ile Ser Ile Ile Leu Asp Trp Ala
                    85

<210> 7342
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7342
Asn Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Xaa Ser
  1   5   10   15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn
                20   25   30

Pro Lys Xaa
          35

<210> 7343
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<220>
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<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7343
Trp Leu Lys Thr Pro Leu Gly Leu Xaa Gln Ile Thr Val Phe Asn Met
 1   5   10   15

Thr Xaa Leu Arg Leu Tyr Asn Leu Asn Pro Ile Ser Leu Leu Leu Ser
            20   25   30

Gln Leu Ser Glu Thr Leu Asn Xaa Thr Ile Leu Cys Xaa Ala Lys Asn
        35   40   45

Ser Phe Leu Phe Xaa Arg Asn
    50   55

<210> 7344
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
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<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7344
Ser Xaa Val Ile Cys Ile Leu Ile Asn Xaa Gln His Thr Val Arg Ser
 1   5   10   15

6545

```
Thr Leu Xaa Tyr Tyr Ile Glu Val Leu Leu Phe Ala Tyr Leu Leu Ile
          20                      25                  30

Phe Ser Thr Gln Ser Gly Ser His Phe Val Phe Cys
          35                  40
```

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<210> 7345
<211> 92
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
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6546

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Gly Pro Gly Val Phe Ala Gly Leu Thr Pro Ala Ser Leu Xaa Phe Gln
                20                  25                  30

Leu Phe Leu Ser Lys Val Glu Xaa Thr Phe Xaa Cys Ile Cys Cys Xaa
            35                  40                  45

Asp Trp Cys Ser Gly Pro Ser Arg Pro Cys Cys Xaa His Asn Xaa Xaa
        50                  55                  60

Gln Xaa Xaa Pro Gly Xaa Ile Leu Ser Gly Xaa Val Phe Thr Ala Leu
 65                  70                  75                  80

Pro Ala Leu Gln Leu Gly Xaa Thr Met Pro Ala Xaa
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6547

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<213> Homo sapiens

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<400> 7346
Thr Leu Lys Met Ile Leu Glu Xaa Val Phe Tyr Val Phe Lys Xaa Arg
  1               5                  10                 15

Tyr Ile Ser Phe Leu Tyr Ala Val Asn Xaa Ser His Val Tyr Val Ser
             20              25              30

Tyr Val Ser Leu Cys Gly Asn Ser Leu Asn Tyr Tyr Ile Ser Ser Leu
         35              40              45

Xaa Ile Leu Ser Ser Phe Arg Gly Thr Gly His Ile Tyr Met Lys Asn
     50              55              60

Arg Asn Xaa Thr Thr Asn Lys Arg Glu Ile Thr Arg
 65              70              75


<210> 7347
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6548

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<400> 7347
Leu Val Pro Asn Ser Ala Arg Gly Phe Thr Leu Leu Thr Lys Arg Leu
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6549

| 1 | | | | | 5 | | | | | 10 | | | | | 15 |

Asn Arg Leu Phe Ile Asn Arg Pro His His Ser Xaa Xaa Leu Asn Leu
20   25   30

Trp Ala Xaa Asn His Ser Arg Leu Thr Leu Ser Thr Pro Gln Xaa Gly
35   40   45

Gly Pro Ser Gln Ile Ile Ser Xaa Phe Lys Ser Xaa Ala Leu Pro Phe
50   55   60

Pro Phe Asn Xaa Gln Xaa Pro Gly Gly Xaa Lys Arg Gly Pro Leu Ile
65   70   75   80

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<400> 7348
Val Gln Xaa His Phe Thr Xaa Gln Ser Tyr Gly Xaa Thr His Pro Leu
1   5   10   15

Ile Ile Leu Val Xaa
20

6550

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<210> 7349
<211> 63
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Gln Ser Glu Val Lys Lys Ser Val Cys Val Val Val Xaa Ala Trp Ile
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Gly Val Pro Ser Cys Leu Gly Xaa Tyr Thr Tyr Ala Ser Phe Leu Leu
                20                  25                  30

Phe Ile Phe Cys Leu His Ser Ser Glu Phe Thr Tyr Phe Leu Lys Ile
                35                  40                  45

Ser Lys Leu Leu Phe Arg Xaa Ile Ser Arg His Trp Gly Arg Leu
        50                  55                  60
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<210> 7350
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<400> 7350
Cys Xaa Thr Tyr Val Tyr Pro Leu Leu Lys Phe Pro Pro Ala Leu Ile
 1   5   10   15

Ser Met Phe Gln Cys Gln Xaa Ser Tyr Asn Ser Lys Cys Ser Pro Lys
                20   25   30

Gly Gly Ser
        35

<210> 7351
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<212> PRT
<213> Homo sapiens

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<400> 7351
Gly Leu Lys Lys Pro Lys Thr Ser His Glu Val Asn Tyr Xaa Lys Gly
 1               5                  10                  15

Phe Pro Trp Asp Xaa Lys Ile Arg Val Lys Thr Val Gly Gln Gln Tyr
            20                  25                  30

Phe Pro Xaa Xaa Gln Asn Xaa Ser Tyr Xaa Lys Lys Leu Xaa Ile Xaa
        35                  40                  45

Tyr Met Asn Gln Thr Xaa Thr Pro Phe Pro Ile Leu Leu Lys Ile Xaa
    50                  55                  60

Ser Ser Ile Lys Asn
 65


<210> 7352
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<213> Homo sapiens

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<400> 7352
Lys His Gln Leu Phe Cys Phe Phe Xaa Pro Tyr Lys Leu Xaa Xaa Xaa
 1               5               10              15

Xaa Glu Xaa Trp Val Val Val Met Val Xaa Thr Ile Thr Gly Tyr Phe
            20              25              30

Ala Ala Thr Val Arg Xaa Glu Lys Xaa Gln Arg Ile Leu Leu Ser Cys
        35              40              45

Xaa Ile Trp Gly Ile Thr Lys Trp Lys Thr Ala Ile
    50              55              60
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6554

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<400> 7353
Ala Xaa Pro Gly Gly Xaa Arg Asn Gln Phe Arg Pro Ile Xaa Ile Pro
 1               5                  10                  15

Ile Thr
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<210> 7354
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<400> 7354
Ala Ala Xaa Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15
```

6555

```
Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
            20                  25                  30

Lys Xaa
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<210> 7355
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<212> PRT
<213> Homo sapiens

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<400> 7355
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Met Leu Pro Leu Xaa Ile Ile Thr Cys Leu Thr Leu Asn Lys Phe Tyr
1                5                  10                  15

Arg Ile Phe Ser Arg Thr Phe Ala Asn Thr Gly Asp Ser Gln Lys Gln
            20                  25                  30

Cys Trp Glu Leu Phe Ser Asn Phe Pro Phe Glu Asn Leu Gln Lys Phe
            35                  40                  45
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<210> 7356
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<213> Homo sapiens

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<400> 7356
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Xaa Gln Leu Lys Glu His Thr Arg Leu Cys Ser Lys Ile Val Gly Arg
1                5                  10                  15

Phe Ile Gly Arg Gly Asp Lys Pro Thr Glu Pro Gly Asp Ser Trp Leu
            20                  25                  30

Ser Lys Ile Asn Leu Ser Ser Leu
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6556

35   40

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<210> 7357
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<400> 7357
Val Glu Ala Thr Asn Leu Pro Ser Leu Val Ile Ala Gly Cys Pro Lys
 1               5                  10                  15

Xaa Asn Leu Xaa Ser Thr Leu Asn Leu Pro Thr Glu Pro Ser Lys Ser
            20                  25                  30

Leu Val Asn Leu Thr Val Ser Pro Lys Glu Glu Gln Leu Phe Gly Pro
            35                  40                  45

Xaa Lys Lys Pro Cys
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<400> 7358
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Xaa Arg
 1   5   10   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
             20   25   30

Gln Xaa

<210> 7359
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<212> PRT
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Leu Leu Ile Pro Gly Ala Gly Leu Ser Leu Leu Pro Ile Ser Gln Pro
 1   5   10   15

Cys Glu Ser Val Leu Ala Ser Thr Asp Thr Ala Asp Pro Glu Leu Asn
             20   25   30

Val Pro Lys Trp Arg Ser Gln Ser Arg Leu Phe Xaa Asn Trp Ala Lys
         35   40   45

Thr Leu Lys Trp Gly Gln Ser Gly Leu Pro Gln Trp Ser Asn Thr Gly
     50   55   60

Phe Leu Leu Asn Val Ser Lys Thr Cys Pro
 65   70

<210> 7360
<211> 77
<212> PRT
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<400> 7360
Glu Ile Ile Val Val Leu Val Trp Trp His Lys Phe Phe Ser Leu His
  1               5                  10                  15

Phe Val Tyr Ala Asp Cys Leu Xaa Xaa Leu His Pro Phe Leu Phe Phe
            20                  25                  30

Pro Glu Xaa Xaa Lys Ser Gln Phe Cys Leu Leu Asp Ala Leu Lys Lys
            35                  40                  45
```

6559


```
Ile Arg Arg Glu Arg Lys Asn Gln Thr Asp Cys Xaa Tyr Phe Xaa Glu
    50                  55                  60

Xaa Asp Asn Phe Gly Xaa Xaa Cys Gln Ala Pro Ser Trp
 65                  70                  75
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<210> 7361
<211> 33
<212> PRT
<213> Homo sapiens

<400> 7361
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Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
  1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Pro
              20                  25                  30

Lys
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<210> 7362
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6560

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Asn Asn Met Asn Cys Met Pro Thr Val Tyr Gln Thr Trp His Trp Ala
 1               5                  10                  15

Pro Cys Cys Cys Arg Phe Ser Glu Pro Trp Pro Leu Tyr His Gly Pro
                20                  25                  30

Asp His Val Phe Ser Gly Arg Leu Asn Lys Leu Xaa Ile Glu Gln Ile
            35                  40                  45

Thr Thr Ser Ser Xaa Asp Ile Lys Xaa Lys Tyr Ser Phe Asp Xaa Ile
        50                  55                  60

Glu Gln Trp Glu Val
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<210> 7363
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<400> 7363
Tyr Arg Xaa Phe Ala Phe Ile Asn Tyr Ile Trp Pro Leu Leu Thr Tyr
 1               5                  10                  15


Leu Lys Leu Cys Xaa Asn Xaa Phe Phe Phe Xaa Xaa Val Cys Trp Glu
            20              25                  30


Lys Lys Phe Phe Pro Phe Leu Lys Lys Asn Gln Thr Thr Xaa Xaa Xaa
        35              40                  45


Xaa Val Ser Trp Glu Ser Pro Xaa Gly Xaa Lys Xaa Ile Pro Gly Leu
    50              55                  60


Glu Ser Pro Pro Ile Leu Phe Ser Trp Ala Leu Phe Tyr
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6564

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7364

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Xaa Pro Phe Leu Leu Leu Thr Xaa Xaa Leu Lys Trp Gly Gly Gly Leu
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Xaa Pro Lys Asn Xaa Thr Phe Phe Pro Arg Gly Glu Lys Thr Ser Arg
            20                  25                  30

Gly Ala Leu Gly Gly Xaa Pro Pro Pro Leu Lys Asn Pro Leu Xaa Gln
        35                  40                  45

Asn Pro Leu Leu Phe Pro Gln Asn Gly Ser Xaa Xaa Phe Xaa Xaa Xaa
    50                  55                  60

Gly His Pro Pro Asn Leu Asn Asp Phe Xaa Phe Xaa Ile Xaa Xaa Arg
65                  70                  75                  80

Gly Xaa Gln Ser Asn Trp Xaa Phe Xaa Lys Ala Lys Gly Asn Leu Pro
            85                  90                  95

Pro Xaa Phe Gly
        100
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<210> 7365
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6567

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<400> 7365
Lys Gly Phe Glu Leu Phe Val Glu Xaa Lys Asn Gln Xaa Xaa Lys Lys
 1   5   10   15

Xaa Gly Ser Phe Xaa Lys Lys Lys Leu Leu Gly Ala Trp Xaa Thr Xaa
            20   25   30

Pro Xaa Lys Lys Xaa Xaa Lys Lys Xaa Leu Glu Phe Xaa Phe Pro Lys
        35   40   45

Lys Leu Gly Xaa Ile Phe Phe Xaa Xaa Lys Asn Ser Pro Xaa Lys Ile
    50   55   60

Pro Phe Pro Pro Phe Trp Gly Glu Xaa Xaa Xaa Xaa Xaa Lys Xaa Xaa
65   70   75   80

Pro Pro Pro Pro Phe Xaa Ile Trp Lys Asn Phe Gly Pro Pro Phe Phe
            85   90   95

Glu Xaa Phe Leu Lys Lys Ile Phe Phe Gly Glu Lys Xaa Pro Pro Lys
        100   105   110

Xaa Pro Pro Xaa Asn Phe Xaa Lys Asn Ser
        115   120

<210> 7366

6568

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<211> 50
<212> PRT
<213> Homo sapiens

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<400> 7366
Leu Ser Thr Phe Ser Leu Leu Phe Glu Val Leu Phe Gln Pro Ser Phe
 1               5                   10                  15

Leu Lys Leu Phe Xaa Ser Thr Leu Ser Phe Ser Xaa Phe Ile Thr Tyr
            20                  25                  30

Pro Phe Ser Leu Glu Leu Glu Leu His Tyr Leu Phe Tyr Tyr Phe Thr
            35                  40                  45

Arg Leu
    50




<210> 7367
<211> 35
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7367
Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
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6569

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1                    5                    10                   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Asn Pro
          20                   25                   30

Lys Xaa Xaa
          35
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<210> 7368
<211> 77
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<400> 7368
Ser His Ser Gly Ser Ser Ser His Xaa Leu Asp Leu Cys Val Tyr Glu
 1   5   10   15

Tyr Ile Lys Ile Arg Ala Leu Xaa Arg Xaa Val Leu Val Xaa Asn Gly
              20   25   30

Tyr Ser Ser Val Val Gln Arg Tyr Thr Lys Cys Xaa Phe Leu Tyr Lys
         35   40   45

Val Lys Ile Leu Gly Gly Tyr Lys Lys Ile Thr Leu Asn Xaa Leu Thr
      50   55   60

Leu Xaa Gly Phe Asp Ile Xaa Phe Ser Xaa Trp Asn Pro
 65   70   75

<210> 7369
<211> 78
<212> PRT
<213> Homo sapiens

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<400> 7369
Ser Gly Thr Val Ser Val Cys Thr Xaa Xaa Thr Lys Glu Thr Cys Leu
 1   5   10   15

Arg Thr Phe Gly Phe Gly Trp Lys Leu Phe Ile Phe Cys Leu Ile Glu
            20   25   30

Pro Asn Leu Leu Ser Gly Thr Ala His Xaa Val Asn Lys Xaa Val Xaa
        35   40   45

Lys Asp Gly Thr Gly His Gly Lys Leu Lys Lys Ser Phe Leu Ser Leu
    50   55   60

Thr Phe Val Arg Leu Asn His Leu Thr Tyr Xaa Ser Glu Ser
 65   70   75

<210> 7370
<211> 67
<212> PRT
<213> Homo sapiens

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<222> (60)
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<400> 7370
Met Xaa Ala Cys Gly Phe Xaa Xaa Asn Trp Gln Gln Cys Gln Ile Pro
 1   5   10   15

Arg Ser Trp Ala Leu Phe Lys Ser Xaa Leu Asn Arg Gly Leu Thr Glu
            20   25   30

Ser Lys Xaa Ser Xaa Leu Arg Cys Thr Lys His Thr Xaa Thr Thr Xaa
            35   40   45

Trp Phe Ser Phe Asp Ala Gln His Xaa His Glu Xaa Thr Trp Lys Cys
        50   55   60

Pro Phe Lys
 65

6573

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<210> 7371
<211> 65
<212> PRT
<213> Homo sapiens

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<400> 7371
Ser Phe Tyr Ile Arg Ile Arg Lys Cys Lys Leu Val Ser Xaa Ser Leu
 1               5                  10                  15

Cys Xaa Leu Leu Asn Pro Thr Val Xaa Met Thr Asp Lys Phe Ser Pro
            20                  25                  30
```

6574

```
Ser Pro Ala Xaa Cys Xaa Gln Val Arg Xaa Xaa Pro Lys Ser Pro Pro
        35              40              45

Phe Trp Asn Phe Lys Leu Gly Gly Ser Gln Asn Thr Xaa Gly Ser Tyr
    50              55              60

Phe
65
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<210> 7372
<211> 100
<212> PRT
<213> Homo sapiens

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7372
Gly His Val Phe Ser Phe Glu Leu Phe Ser Phe Ser Val Gly Gly Lys
  1           5               10              15

Ile Ser His Glu Lys Gln Lys Val Thr Leu Pro Ser Leu Met Pro Gly
            20              25              30

Ser Xaa Asp Glu Lys Glu Ile Leu Gly Lys Asp Gln Phe Pro Leu Phe
        35              40              45
```

6575

```
Gln Leu Ser Ile Thr Glu Phe Val Phe Gly Lys Trp Ala Phe Leu Lys
     50                  55              60

Ser Cys Ser Val Phe Gln Gln Gly Gln Glu Val Xaa Cys Leu Leu Cys
 65              70              75                  80

Tyr Leu Lys Xaa Ser Val Arg Gly Val Pro Xaa Gly Ser Arg Lys Xaa
                85              90                  95

Ser Ser Phe Cys
            100
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<210> 7373
<211> 96
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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6576

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<220>
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<222> (91)
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<400> 7373
Gly Thr Ser Val Val Val Tyr Xaa Arg Cys Xaa Leu Met Leu Asn Ser
 1               5                  10                  15

Xaa Tyr Ser Xaa Arg Glu Xaa His Lys Phe Xaa Val Lys Xaa Pro Ser
            20                  25                  30

Tyr Cys Gly Phe Phe Leu Leu Leu Xaa Asn Met Xaa Glu Ile Lys Ile
        35                  40                  45

Thr His Val Leu Gly Pro Leu Lys Pro Tyr Ile Ala Thr Val His Xaa
    50                  55                  60

Ser Asn Xaa Xaa Arg Gly Asp Xaa Gly Xaa Tyr Val Xaa Thr Tyr Xaa
65                  70                  75                  80

Ser Xaa Phe Lys Phe Tyr Leu Leu Arg Lys Xaa Phe Pro Gln Ser Ala
            85                  90                  95


<210> 7374
<211> 59
<212> PRT
<213> Homo sapiens

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6578

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<400> 7374
Ile Glu Phe Tyr Xaa Tyr Phe Gly Glu Lys Ile Ile Phe Cys Xaa Pro
 1               5               10              15

Lys Xaa Ile Phe Ser Tyr Ser Phe Arg Lys Phe Glu Ile Leu Xaa Xaa
            20              25              30

Phe Arg Ala Phe Asn Trp Asn Leu Xaa Pro Lys Leu Lys Pro Phe Thr
            35              40              45

Leu Lys Pro Pro Ile Phe Phe Phe Xaa Pro Leu
    50              55


<210> 7375
<211> 38
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
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<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7375
Ala Xaa Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Xaa Xaa
 1   5   10   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
             20   25   30

Lys Thr Xaa Gly Ile Xaa
         35

<210> 7376
<211> 53
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
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<223> Xaa equals any of the naturally occurring L-amino acids

6580

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<400> 7376
Xaa Lys Glu Ile Thr Xaa Thr Xaa Arg Asn Ser Pro Leu Pro Tyr Pro
 1               5                  10                  15

Ser Xaa Gly Ser Ser Ile Ser Gly Ser Ile Thr Asn Ser Trp Phe Xaa
            20                  25                  30

Leu Thr Asn Pro His His Phe Leu Ser Phe Pro Xaa Xaa Leu Pro Pro
            35                  40                  45

Xaa Thr Pro Ser Ile
     50


<210> 7377
<211> 34
<212> PRT
<213> Homo sapiens

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<400> 7377
Leu Leu Tyr Phe Pro Val Xaa Ser Ala Gly Xaa Xaa Xaa Leu Leu Ser
 1               5                   10                  15

Asp Arg Asn Leu Tyr Lys Xaa Phe Phe Asp Pro Val Gly Arg Arg Tyr
             20                  25                  30

Pro Phe




<210> 7378
<211> 26
<212> PRT
<213> Homo sapiens

<220>
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6582

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<400> 7378
Gly Leu Leu Xaa Tyr Xaa Asn Glu Thr Leu Val Xaa Thr Lys Tyr Asp
 1               5                  10                  15

Phe Xaa Lys Val Leu Phe Tyr Lys Thr Xaa
            20                  25
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<210> 7379
<211> 112
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<213> Homo sapiens

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<400> 7379
Lys Asn Phe Phe Phe Phe Phe Xaa Lys Ser Pro Phe Xaa Phe Phe Xaa
 1   5   10   15

Ile Xaa Xaa Phe Leu Lys Ile Gly Pro Xaa Xaa Phe Xaa Phe Lys Xaa
            20   25   30

Phe Leu Lys Lys Lys Asn Phe Asn Cys Phe Xaa Xaa Lys Ile Xaa Pro
            35   40   45

Pro Phe Lys Xaa Phe Ser Pro Xaa Arg Phe Phe Pro Xaa Xaa Phe Xaa
        50   55   60

Lys Lys Ile Phe Phe Phe Lys Lys Phe Xaa Phe Phe Gly Gly Phe Phe
65   70   75   80

Xaa Phe Xaa Pro Ser Leu Ser Pro Asn Phe Xaa Phe Asn Pro Xaa Phe
            85   90   95

6585

```
Phe Pro Pro Lys Ile Ser Pro Ser Pro Phe Pro Gln Lys Phe Pro Pro
            100                 105                 110
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<210> 7380
<211> 83
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (42)
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<220>
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<222> (74)
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<400> 7380
Pro Trp Asp Arg Asp Val Gln Leu Ser Lys Ala Leu Ser Tyr Ala Leu
  1   5   10   15

Arg His Gly Ala Leu Asn Trp Gly Phe Pro Trp Xaa Leu Val Pro Xaa
            20   25   30

Leu Glu Leu Met Pro Leu Xaa Thr Pro Xaa Ala Leu Pro Pro Xaa Leu
        35   40   45

Xaa His Gly Thr Phe Trp Asn Thr Gly His Pro Ser Tyr Ser Xaa Ala
    50   55   60

Cys Pro Ala Arg Glu Gly Pro Thr Phe Xaa Leu Xaa Xaa Glu Xaa Pro
65   70   75   80

Gly Lys Pro

<210> 7381
<211> 20
<212> PRT
<213> Homo sapiens

<220>
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6587

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<400> 7381
Arg His Glu Val Thr Ser Leu Glu Phe Phe Phe Phe Phe Leu Xaa Leu
  1               5                  10                 15

Asn Xaa Phe Xaa
              20




<210> 7382
<211> 69
<212> PRT
<213> Homo sapiens

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<400> 7382
Val Gln Met Asp Ser Ile Tyr Val Val Leu Asn Asn Asn Leu Gly Cys
  1               5                  10                 15
```

6588

```
Leu Gln Thr Leu Gln Phe Ile Ile Phe Pro Tyr Lys Gln Asp Gly Leu
            20                  25                  30

Gly Phe Ser Ser Ser Thr Xaa Ser Ile Xaa Pro Thr Xaa Phe Xaa Tyr
            35                  40                  45

Ser Trp Ser Lys Lys Ile Thr Cys Phe Phe Phe Phe Lys Trp Ala Arg
         50                  55                  60

Asn Xaa Phe Phe Phe
65
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<210> 7383
<211> 61
<212> PRT
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<400> 7383
Ile Arg Gly Ser Leu Ala Leu Glu Tyr Xaa Xaa Leu Xaa Lys Glu Met
```

6589

```
   1                   5                        10                       15

Arg Leu Gly Thr Leu Met Ser Gln Asn Leu Phe Ala Gln Xaa Leu Gly
              20                    25                  30

Arg Thr Ala Leu Leu Thr Leu Gly Cys Thr Thr Trp Leu Lys Phe Ser
          35                    40                  45

Pro Pro Thr Ser Leu Glu Cys Pro Pro Xaa Ser Pro Xaa
       50                    55                  60
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<210> 7384
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<400> 7384
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Val Pro Phe Pro Xaa Gly Glu Ile Pro Pro Leu Leu Lys Phe Arg Asn
   1               5                    10                  15

Lys Lys Lys Xaa Xaa Arg Ser Lys
              20
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<210> 7385
<211> 42
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7385
Leu Leu Xaa Val Leu Val Asn Gln Xaa Thr Xaa Leu Leu Asn Gln Xaa
 1               5                   10                  15

Phe Lys Asn Leu Asn Gly Lys Phe Leu Asp Leu Asn Leu Gly Ser Lys
            20                  25                  30

Phe Gly Xaa Pro Phe Pro Xaa Gln Val Ser
            35                  40


<210> 7386
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7386
Glu Pro His Pro Trp Asn Ala Thr Pro Leu Leu Thr Phe Ser Asn Glu
 1               5                   10                  15
```

6591

```
Leu Arg Xaa Leu Lys Gly Arg Asp Tyr Glu Leu Leu Ile Phe Val Ser
            20                  25                  30

Pro Ser Arg Ala Gln Leu Cys Cys Gly Trp Asp Pro Ser Gln
        35                  40                  45
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<210> 7387
<211> 34
<212> PRT
<213> Homo sapiens

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<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7387
Val Gly Thr Arg Gly Gly Pro Val Pro Asn Ser Pro Tyr Ser Glu Ser
 1               5                  10                  15

Tyr Tyr Asn Ser Leu Ala Val Val Leu Gln Xaa Xaa Asp Trp Glu Asn
            20                  25                  30

Xaa Xaa
```

```
<210> 7388
<211> 38
<212> PRT
<213> Homo sapiens
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6592

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<222> (24)
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<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7388
Arg Xaa Xaa Gly Gly Gly Arg Ser Ile Leu Met Asp Arg Pro Gly Trp
 1               5                   10                  15

Met Asn Ala Ala Arg Ala Thr Xaa Leu Pro Xaa Ala Leu Val Gln Thr
            20                  25                  30

Ile Tyr Pro Asn Lys Val
            35



<210> 7389
<211> 52
<212> PRT
<213> Homo sapiens

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<400> 7389
Xaa Phe Gln Ala Ser His Asn Phe Xaa Ile Asn Xaa Xaa Asp Arg Thr
 1               5                  10                  15


Gln Glu Lys Thr Asn Xaa Leu His Gly Gly Ser Asn Phe Pro Phe Ser
            20                  25                  30


Arg Pro Xaa Leu Lys Xaa Asn Pro Leu Pro Pro Arg Phe Pro Phe Xaa
        35                  40                  45


Leu Pro Lys Phe
    50




<210> 7390
<211> 25
<212> PRT
<213> Homo sapiens

<220>
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6594

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<220>
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<400> 7390
Gly Asn Gly Asp Gly His Pro Cys Arg Cys His Asp Ala Arg Gly Asp
 1               5                  10                  15

Lys Gly His Xaa Xaa Xaa Pro Xaa Trp
            20                  25
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<210> 7391
<211> 32
<212> PRT
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7391
Ser Glu Ala Ser Ala Gly Xaa Asn Xaa Leu Asn Phe Ser Gly Phe Pro
 1               5                  10                  15

Gly Cys Arg Asn Ser Ala Arg Gly Pro Pro Gly Pro Pro Xaa Phe Phe
            20                  25                  30
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<210> 7392
<211> 176
<212> PRT
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<400> 7392
Arg Ser Gln Pro His His Xaa Xaa Gly Arg Ser Thr Leu Asn Gly Ser
 1           5               10              15

Pro Xaa Leu His Glu Phe Xaa Thr Ser Leu Cys Ile Ala Ser Gln Gly
            20              25              30

Ser Pro Arg Lys Met Ala Glu Leu His Gly Gln Gly Val Leu Thr Pro
            35              40              45

Pro Gln Met Gly Arg Val His Ser Pro Xaa Asp Leu His Ala Gly Arg
        50              55              60

Pro Pro Ala Ala Asp Leu Pro Pro Arg Pro Met Leu His Met Val Gly
 65              70              75              80

Gln Ser Xaa Trp Leu Val Glu Cys Phe Arg Gly Cys Val Tyr Xaa Arg
```

6597

```
              85                        90                        95

Gly Val Met Cys Glu His His Ser Xaa Lys Arg Gly Leu Leu Lys Gly
            100                 105                 110

Lys Trp Gly Leu Xaa Val Asn Leu Ala Asp Gly Gly Arg Thr Xaa Xaa
            115                 120                 125

Arg Xaa Leu Gly Leu Ser Pro Arg Thr Tyr Ile Leu Leu Pro Ser Leu
    130                 135                 140

Val Ile Ser Pro Ser Leu Pro Pro Arg Gly Ser Cys Xaa Xaa Ile Trp
145                 150                 155                 160

Pro Cys Ser Trp Ala Ser Thr Met Xaa Val Tyr Ile Gly Leu Gly Lys
            165                 170                 175
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<210> 7393
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (70)
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7393
```
Arg Ser Ser Gly Leu Leu Pro Gly Lys Ile Ser Gln Arg Glu Cys Ala
  1               5                   10                  15

Ser Ala Thr Ser Pro Arg Pro Pro Thr Pro Gly Ser Val Val Leu
                20                  25                  30

Ser Leu Pro Gly Pro Ala Ala Arg Pro Pro Arg Ala Pro Ala Val Pro
        35                  40                  45
```

6598

```
Leu Ser Leu Ser Pro Asn Leu Ala Leu Pro Gln Thr Cys Pro Val Pro
    50                  55                  60

Val Gly Ser Ser Pro Xaa Gly Asn Trp Leu Trp Asp Arg Met Xaa Phe
65                  70                  75                  80

Xaa Ala Ala Ala Asn Leu Gly Pro Gly Leu Ser
                85                  90
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<210> 7394
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<213> Homo sapiens

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<400> 7394
Ala Leu Ser Arg His Arg His Val Pro Ala Ser Leu Glu Xaa Glu Pro
 1   5   10   15

Arg His Ser Leu Xaa Asp Xaa Asn Phe Gly Xaa Phe Pro Ser Arg Pro
                20   25   30

Ser Leu Arg Leu Leu Pro His Glu Ala Ile Ser Gly Asp Gly Arg Leu
            35   40   45

Gly Gln Arg Gln Val Asn Arg Val Pro Gln Ala Pro Phe Pro His Thr
        50   55   60

Lys Xaa Ala Asp Cys Glu Leu Thr Gly Leu Arg Pro Asn Arg Ser Leu
 65   70   75   80

Ser Ser Ser Cys Leu Leu Xaa Thr Ser Gly Pro Ile Leu Ile Pro Xaa
                85   90   95

Trp Pro Asn Leu Ala Phe Leu Gly Phe Ala Arg Cys Leu Val Cys
            100   105   110

<210> 7395
<211> 55
<212> PRT
<213> Homo sapiens

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6600

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<400> 7395
Cys Ala Cys Cys Xaa Val Asn Xaa Xaa Gly Xaa Ile Trp Xaa Lys Tyr
 1               5                  10                  15

Pro Xaa Ile Leu Xaa Xaa Ser Ile Lys His Ala Cys Asp Ser Tyr Xaa
            20                  25                  30
```

6601

```
Leu Lys Val Ile Leu Ser Ser Xaa Xaa Ile Ser Gly Xaa Tyr Xaa Leu
        35              40              45

Ser Leu Ile Cys Leu Asn Ile
        50              55
```

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<210> 7396
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<213> Homo sapiens

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<222> (4)
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<220>
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<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7396
Leu Leu Ile Xaa Asp Ser Leu Pro Phe Val Leu Asn Lys Ser Xaa Ile
  1           5               10              15

Asn Glu Cys
```

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<210> 7397
<211> 46
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
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<222> (12)
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<220>
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<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids
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6602

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7397
Leu Thr Asn Gln Gly Phe Xaa Arg Lys Ile Leu Xaa Ser Lys Cys Xaa
 1               5                  10                  15

Ser Ser Pro Gly Leu Tyr Ile His His Leu Leu Asp Ile His Ser Xaa
                20              25                  30

Val Lys Asn Thr Gly Ile Ile Ile Leu Ile Ser Thr Xaa Xaa
            35              40                  45



<210> 7398
<211> 34
<212> PRT
<213> Homo sapiens

<220>
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<400> 7398
Ala Ala Arg Xaa Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1               5                  10                  15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Asn Pro
                20              25                  30

Lys Xaa
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<210> 7399
<211> 41
<212> PRT
<213> Homo sapiens

<220>
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<221> SITE
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<220>
<221> SITE
<222> (17)
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<220>
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<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7399
Asn Ile Leu Phe Gly Glu Xaa Gly Ile Tyr Pro Pro Trp Leu Asn Xaa
 1   5   10   15

Xaa Phe Leu Xaa Arg Phe Ser Trp Lys Xaa Leu Gly Gly Gly Asn Phe
            20   25   30

Trp Gly Ser Arg Trp Arg Glu Pro Gly
            35   40

<210> 7400
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7400
Ala Ala Arg Gly Gly Ala Arg Tyr Pro Ile Arg Pro Ile Val Ser Arg
 1   5   10   15

Ile Thr Ile His Trp Pro Ser Phe Tyr Asn Val Val Thr Gly Lys Thr
            20   25   30

Gln Xaa Xaa
        35

<210> 7401
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7401
Asp Trp Phe Gly Cys Phe Lys Ile Asp Ile Val Val Gln Cys Val Leu
 1   5   10   15

His Gly Gly Xaa Arg Xaa
            20

<210> 7402
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 7402
Xaa Ala Trp Ala Lys Cys Val Ile Tyr Arg Ser Gly Ala Arg Ala Glu
 1   5   10   15

Ser Gly Pro Arg Thr Asp Pro Leu Ser Glu Leu Gly Leu His Gln Gly
            20   25   30

Phe Gly Ser Gly Leu Asn Val Xaa Leu Ala Ser Ser Cys Arg Ser Thr
            35   40   45

Gly Arg Leu Leu Ser Gln Gln Leu Arg Thr Pro Arg Thr Ser Glu Ala
    50   55   60

Cys Ala Ile Ile Xaa Glu Leu
 65   70

<210> 7403
<211> 42
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (40)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7403
Xaa Xaa Leu Pro Trp Glu Xaa Ser Gly Thr Thr Gly Cys Glu Leu Xaa
 1   5   10   15

Arg Gly Gly Gly Arg Ser Arg Thr Ser Gly Ser Pro Gly Leu Gln Glu
            20   25   30

Phe Gly Thr Arg Pro Xaa Met Xaa Gly Gln
         35   40

<210> 7404
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<400> 7404
Trp Xaa Tyr Gly Asp Leu Pro Ala Xaa Asn Phe Ser Lys Phe Gly Xaa
 1               5                  10                  15


Xaa Gly Leu Glu Xaa His Xaa Arg Cys Ala Ala Ala Leu Xaa Thr Ser
            20              25                  30



<210> 7405
<211> 32
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<400> 7405
Xaa Gly Phe Leu Xaa Xaa Met Xaa Lys Ile Arg Glu Xaa Xaa Leu Glu
 1               5                   10                  15

Xaa His Arg Arg Cys Ala Xaa Ala Leu Glu Leu Val Asp Pro Pro Gly
             20                  25                  30
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<210> 7406
<211> 33
<212> PRT
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6609

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<400> 7406
Glu Gln Gly Xaa Xaa Ser Ser Thr Ala Val Ser Gly Arg Ser Arg Thr
 1               5                  10                  15

Ser Gly Ser Pro Gly Leu Gln Xaa Gln Thr His Ser Thr Leu Leu Pro
            20                  25                  30

Asp




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6610

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<400> 7407
Xaa Xaa Xaa Trp Asn Ser Thr Xaa Val Ser Gly Arg Ser Arg Thr Ser
 1   5   10   15

Gly Ser Pro Gly Leu Gln Glu Phe Glu His Glu Glu Ala Phe Ser Cys
            20   25   30

Phe Lys Met Xaa Leu Xaa Ile Ser Phe Pro Ala Thr Gly Cys Gln Xaa
            35   40   45

Leu Ile Glu Xaa
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<400> 7408
Ser Xaa Leu Ile Xaa Leu Arg Ala Xaa Ser Lys Arg Leu Leu Ile Ala
 1   5   10   15

Ile Asn Ser Asn Leu Lys Ile Met Ala Thr Tyr Tyr Phe Glu Lys Phe

6611

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          20                    25                    30

Val Glu Trp Cys Val Leu
        35



<210> 7409
<211> 37
<212> PRT
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<400> 7409
Ala Trp Phe Leu Ala Leu Thr Ala Lys Xaa Gly Lys Ile Gly Trp Ser
  1               5                  10                  15


Ser Thr Xaa Val Ala Ser Arg Ser Ser Thr Ser Gly Ser Pro Gly Leu
            20                  25                  30


Xaa Xaa Phe Gly Thr
        35



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Leu Trp Met Pro Leu Ile Lys Gly Glu Ser Ala Xaa Glu Leu Pro Ala
 1   5   10   15

Pro Pro Gly Val Thr Ala Val Gly Leu Gly Leu Cys Cys Lys Pro Tyr
            20   25   30

Ile Leu Pro Cys Ser Gly Lys Cys Leu Ala Leu Ser Leu Leu Thr Ser
            35   40   45

Gly Xaa Pro Val Ile Xaa Thr Xaa Arg Xaa Xaa Arg Xaa Val Gly Xaa
    50   55   60

Met Pro Xaa Phe Leu Ala Asp Ser Xaa Leu Ile Ser Val Val Leu Lys
 65   70   75   80

Lys Asn Leu Met Phe Leu Val Val Xaa Phe Trp Gly Gly Xaa Gly Gly
                85   90   95

Gln Lys His Gly Gly Ser Ser Glu Leu Xaa Arg Asn Val Ser Xaa Ile
                100   105   110

<210> 7411
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<400> 7411
Ala Arg Ala Glu Phe Xaa Thr Asn Xaa Thr Phe Thr Gly Xaa His Ile
  1               5                  10                  15

Ile Ser Ile Gln Gly Xaa Ile Glu
                20


<210> 7412
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<400> 7412
Ile Leu Lys Ile Arg Xaa Thr Xaa Pro Ala Xaa Pro Pro Arg Cys Xaa
1   5   10   15

Ala Ala Leu Gly Ile Ser Gly
                20

<210> 7413
<211> 31
<212> PRT
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<400> 7413
Pro His Ser Ala Gln Cys Gly Val Glu Ala Thr Xaa Xaa Xaa Ser Pro
1   5   10   15

Xaa Pro Arg Asn Thr Xaa Asn Thr Leu Val Leu Ala Lys Ser Ser
                20   25   30

<210> 7414
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6616

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<212> PRT
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<400> 7414
Tyr Ser Ala Leu Pro Ala Xaa Xaa Arg Glu Ser Trp Xaa Xaa Cys Arg
 1               5                  10                  15

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Ala His Ala Ser
            20                  25                  30

Val Ile Val Arg Trp Ala Asn Leu Leu Val Leu Xaa Ile
        35                  40                  45


<210> 7415
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<400> 7415
Pro Xaa Asn Asn Gly Phe Xaa His Met Ile Lys Lys Lys Lys Pro Phe
 1               5                   10                  15

Thr Asn Xaa




<210> 7416
<211> 57
<212> PRT
<213> Homo sapiens

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<400> 7416
Arg Leu Cys Glu Leu Tyr Arg Gln Asp Leu Arg Ile Ala Ser Pro Pro
 1               5                   10                  15

Asn Glu Val Leu Thr Leu Ala Trp Val Leu Lys Arg Pro Asp Xaa Phe
                20                  25                  30

Leu Leu Leu Pro Glu Ser Met Gly Leu Gly Leu Pro His Val Trp Gly
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6618

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          35                    40                    45
Ala Xaa Ala Xaa Trp Glu Xaa Lys Lys
        50                    55
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<210> 7417
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<400> 7417
Leu Arg Xaa Pro Ile Arg Lys Ala Gly Thr Pro Ala Arg Thr Gly Pro
  1               5                  10                  15

Val Ile Xaa Gly Ser Xaa Gln Ala Ser Ala His Xaa Gly Arg Lys Glu
            20                  25                  30

Asn Pro Xaa Ile Xaa Glu Glu Thr Glu Ser
            35                  40
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<210> 7418
<211> 47
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<400> 7418
Pro Arg Val Arg Ile Tyr Val Xaa Leu Xaa Val Xaa Xaa Xaa Thr Leu
 1   5   10   15

Xaa Xaa Pro Xaa Asn Val Leu Asp Xaa Asn Thr Gln Ser Xaa Asp Ser
            20   25   30

His Ser Xaa Lys Ser Leu Val Xaa Pro Tyr Asn Trp Val Phe Trp
        35   40   45

<210> 7419
<211> 44
<212> PRT
<213> Homo sapiens

<400> 7419
Ala His Phe Cys Ser Lys Thr Asn Ser Ile Lys Pro Leu Glu Cys Ser
 1   5   10   15

Gly Phe Gln His Thr Val His Arg Gln Pro Phe Tyr Gln Lys Leu Ser
            20   25   30

Val Phe Pro Met Thr Gly Phe Ser Gly Lys Val Asn
        35   40

<210> 7420
<211> 89
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<213> Homo sapiens

6621

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<400> 7420
Ser Arg Asn Ser Arg Asn Asp Ser Thr Ser Val Phe Phe Phe Lys Lys
 1               5                  10                  15

Asn Leu Ile Ser Leu Phe Tyr Phe Arg Ile Ala Leu Leu Ile Thr Phe
            20                  25                  30

Leu Pro Trp Lys Leu Thr His Ser Leu Xaa Xaa Leu Arg Met His Pro
            35                  40                  45

Met Lys Tyr Phe Arg Ile Glu Lys Lys Glu Met Asn Tyr Leu Asn Ser
        50                  55                  60

Pro Glu Xaa Leu Cys Leu Leu Val Xaa Xaa Xaa Arg Leu Asn Ala Ile
65                  70                  75                  80
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6622

Leu Pro Leu Xaa Thr Asp Ala Leu Leu
                85

<210> 7421
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<400> 7421
Pro Arg Val Arg Val His Leu Pro Phe Phe Phe Phe Phe Lys Phe Ser
 1   5   10   15

Pro Ile Gln Xaa Asn Asn Xaa Xaa Xaa Xaa
                20   25

<210> 7422
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6624

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<400> 7422
Pro Phe Tyr Lys Lys Gly Glu Lys Ser Xaa Gly Val Xaa Arg Gly Pro
 1   5   10   15

Pro Pro Gly Val Asn Xaa Arg Ser Arg Gly Lys Phe Pro Pro Gly Gly
                20   25   30

Ser Gly Asn Pro Thr Ala Gly Ser Arg Xaa Asn Ser Ile Leu Xaa Xaa
            35   40   45

Lys Thr Pro Asn Pro Asn Xaa Asn Pro Leu Lys Pro Xaa Gly Gly Ala
        50   55   60

Leu Leu Gln Ala Pro Pro Xaa Asn Trp Asn Xaa Pro Gly Xaa Glu Pro
 65   70   75   80

Asn

<210> 7423
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<213> Homo sapiens

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<400> 7423
Val Arg Lys Gln Leu Asn Leu Cys Val Leu Leu Glu Leu Gln His Pro
 1   5   10   15

6625

```
Phe Leu Pro Phe His Leu Cys Val His Pro Gln Leu Asn Ala Ser Val
         20              25              30

Thr Ser Asn Glu Ile Glu Asn Ala Ala Glu Ala Pro Gly Val Xaa Asn
         35              40              45

Thr Gly Lys Gly Ser Trp Ala Ser Leu Leu Val Trp Glu Arg Thr Ser
    50              55              60

Ser Pro Thr Leu Leu Ser Pro Ser Phe Trp Ala Ser Tyr Glu Phe Glu
65              70              75              80

Ala Phe Asn Lys Leu Tyr Gln Arg Xaa Met Lys Asn Phe Gln Asn Ala
             85              90              95

Ile Gly Lys Gly Cys Ser Xaa Met Val Ala His Leu Lys Gly Ser Pro
        100             105             110

Ile Xaa Leu Val Leu
        115
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<210> 7424
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<400> 7424
Lys Xaa Phe Leu His Xaa Xaa Leu Xaa Asp Ser Xaa Cys Xaa Xaa Gly
  1               5               10              15

Asn Ser Ser Phe Lys Leu Phe Phe Pro Thr Phe Arg Leu Val Ser Pro
             20              25              30

Pro Asp Pro His Arg Trp Ile Ser Glu Xaa Tyr Gln Thr Gly Glu Pro
         35              40              45

Lys Lys Leu Gly Leu Thr Phe
     50              55


<210> 7425
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6627

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<400> 7425
Tyr Ser Glu His Xaa Gly Glu Ser Xaa Ile Lys Val Xaa Arg Ser Xaa
 1   5   10   15

Asn Ile Xaa Glu Xaa Phe Gly Glu Thr Asn Ile Pro Leu Asn Val Ser
              20   25   30

Arg Thr Tyr Lys Gly Pro Arg Lys Pro Xaa Xaa Met Lys Lys Asn Lys
          35   40   45

Glu Ile Gln Xaa Pro Xaa
       50

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<210> 7426
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<212> PRT
<213> Homo sapiens

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<400> 7426
Asp Cys Arg Xaa Leu Ser Pro Phe Lys Lys Trp Xaa Pro Gly Pro Lys
 1               5                  10                  15

Ser Xaa Xaa Leu Val Arg Asn Ser Arg Val Asp Pro Arg Val Xaa Ala
            20                  25                  30

His


<210> 7427
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<212> PRT
<213> Homo sapiens

<220>
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6629

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Glu Gly Phe Ser Gly Cys Xaa Phe Leu Xaa Gly Pro Tyr Phe Leu Arg
            20   25   30

Val

<210> 7428
<211> 78
<212> PRT
<213> Homo sapiens

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 1   5   10   15

```
Thr His Ala Ser Asp Pro Ser Xaa Leu Lys Phe Ser Cys Tyr Ile Gly
            20              25              30

Ile Pro His Xaa Xaa Leu Ser Ser Ile Xaa Gly Trp Met Arg Ala Xaa
            35              40              45

Ile Ser Ser Trp Val Xaa Glu Gln Ile His Gly His Thr Phe Tyr Asn
    50              55              60

Asp Trp Ser Ser Val Leu Gln Ile Lys Xaa Leu Gln Ser Xaa
65              70              75
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Gly Pro Gln Ser Pro Ala Ser Ser Val Phe Leu His Trp Pro Pro Gly
 1   5   10   15

Ser Pro Arg Leu Asn Arg Pro Ser Cys Glu Asn His Cys Tyr Arg Cys
            20   25   30

Glu Asn Gly Val Leu Gln Ser Ser Gln Arg Arg Xaa Ile Glu Lys Glu
        35   40   45

Thr Asp Xaa Met Xaa Asn Xaa Leu Gly Lys Glu Ser Phe His Glu His
    50   55   60

Phe Thr Met Leu Pro Xaa Ala Leu Lys Glu Ile Xaa Leu Xaa Leu Phe
65   70   75   80

Ser Gln Xaa Thr Leu Phe
                85

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<400> 7430

6633

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Glu Arg Met Ser Ser Phe Ser Ser Pro Leu Gly Ile Ser Arg Ala Arg
 1           5                   10                  15

Arg Gly Lys Thr Lys Thr Gly Asn Val Tyr Lys Asn Cys Ser Arg Phe
            20              25                  30

Ala Asn Lys Lys Leu Val Lys Val Ser Lys Asn Gly Asp Trp Xaa Phe
            35              40                  45

Pro Gly Arg Lys Asp Ala Arg Gly Leu Ile Gly Glu Lys Leu Gly Thr
    50              55                  60

Leu Lys Pro Arg Lys Val Gln Ala Pro Ser Pro Thr Arg Xaa Ser Leu
 65             70                  75                  80

Phe Phe Ser Xaa
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<211> 61
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<400> 7431
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Ile Ile Asn Asn Asn Lys Asn Lys Ala Asn Thr Leu Asp Ile Thr Leu
 1           5                   10                  15

Pro Ser Gly Ala Xaa Lys Lys Val Lys Ala Gly Ile Ser Phe Ser Tyr
            20              25                  30

Leu Asn Leu Ser Val Leu Ser Gln Gly Ile Phe Ser Glu Asn Arg Trp
            35              40                  45

Asn Xaa Val Arg Leu Trp Xaa Met Leu Ser Ile Ile Gly
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6634

50   55   60

<210> 7432
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<400> 7432
Arg Ala Lys Gly Gln Met Val Leu Pro Xaa Pro Pro Cys Xaa Cys Gly
 1   5   10   15

Gly Xaa Pro Leu Ser Ala Cys Xaa Ala Leu Thr Gly Asn Xaa Leu Ala
            20   25   30

Trp Asn Leu Gly Arg Gly Leu Pro Ser His Pro Cys Ser Ser Ser Pro
            35   40   45

Pro Thr Xaa Asn Pro
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6635

<210> 7433
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<400> 7433
Pro Leu Gly Gly Gly Xaa Pro Thr Gly Pro Pro Phe Trp Ala Xaa Lys
 1   5   10   15

Lys Lys Ile Xaa Asn Pro Arg Gly Gly Phe Pro Xaa Gly Gly Glu Lys
            20   25   30

Ile Phe Pro Pro Pro Arg Gly Gly Gly Phe Pro Ser Lys Xaa Pro Gln
            35   40   45

Thr Xaa Pro Gly Phe Pro
        50

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<210> 7434
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<400> 7434
Ala Gly Ala Gly Ile Arg Lys Trp Glu Ala Ala Ala Pro His Pro Pro
 1               5                  10                  15

Xaa Ser Phe Arg Pro Leu Leu Xaa Pro Lys Phe Ser Pro Xaa Arg Gly
            20                  25                  30

Pro Phe Lys Gly Pro Ala Leu Arg Arg Arg Ala Arg Xaa Arg His Gln
            35                  40                  45

Glu Ala Gly Trp Ala Gln Pro Ser Leu Lys Leu Ala Gly Thr Gly Arg
    50                  55                  60

Thr Xaa Pro Ser Arg Ala Ser Xaa Arg Lys Gly Asn Arg Ser
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6637

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<212> PRT
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<400> 7435
Gly Thr Leu Arg Gln Ala Ile Pro Ala Pro Glu Ser Gln Ile Trp Xaa
 1               5                  10                  15

Ala Glu Leu Leu Ser Xaa Leu His Cys Ser Xaa Ile Ser Xaa Ser Ser
            20                  25                  30

Gln Ser Cys Phe Cys
        35



<210> 7436
<211> 67
<212> PRT
<213> Homo sapiens

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6638

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<400> 7436
Arg Arg Cys Trp Ser Ser Asp Trp Pro Gly Lys Ile Arg Ala Leu Glu
 1               5                   10                  15

Arg Ser Lys Glu Gln Leu Leu Ser Xaa Arg Ala Gly Gln Lys Phe Val
            20                  25                  30

Leu Gln Ala Arg Thr Pro Glu Val Ser Asp Gly Ala Xaa Xaa Leu Arg
            35                  40                  45

Lys Ala Gly Leu Ala Glu His Ser Gly Leu Thr Gly Ser Gly Pro Leu
      50                  55                  60

Pro His Xaa
 65


<210> 7437
<211> 32
<212> PRT
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7437
Gly Val Val His Gly Xaa Xaa Gly Val Arg Thr Ala Gln Thr Xaa Leu
 1   5   10   15

Xaa Val Ser Ser Xaa Xaa Xaa Phe His Arg Ser Phe Arg Xaa Val Leu
             20   25   30

<210> 7438
<211> 77
<212> PRT
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6640

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<400> 7438
Asp Arg Gly Gly Asn Thr Thr Ala Leu Ile Gln Val Glu Xaa Thr Lys
 1               5                  10                  15

Lys Arg Gln Gln Leu Val Thr Val Ala Arg Val Thr Ala Thr Lys Arg
            20              25                  30

Gly Cys Gly Lys Gly Gly Leu Ala Xaa Leu Leu Ala Ala Ala Ala Tyr
        35              40                  45

Gln Ala Ser Tyr Glu Asn Tyr Leu Leu Arg Val Ala Tyr Cys His Val
        50              55                  60

Xaa Asp His Glu Gly Xaa Xaa Ala Leu Arg Ser Ser Glu
 65              70                  75


<210> 7439
<211> 35
<212> PRT
<213> Homo sapiens

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<400> 7439
Gly Gly Pro Cys Asp Ser Asp Thr Xaa Xaa Gln Asp Ile Tyr Glu Phe
 1               5               10              15

Lys Xaa Xaa Ile Thr Gln Asp Xaa Ser Trp Ser Thr Leu Arg Ser Ala
             20              25              30

Val Tyr Arg
         35



<210> 7440
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<212> PRT
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6642

<400> 7440
His Tyr Val Ile Ser Ala Gln Cys Ser Glu Cys Gln Met Lys Lys Phe
1   5   10   15

Asn Glu Thr Pro Val Asn Arg Xaa Xaa Xaa Tyr Asn Pro Leu Xaa Val
            20   25   30

Ser Lys

<210> 7441
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<212> PRT
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<400> 7441
Trp Pro Thr Tyr Trp Trp Phe Val Phe Asn Val Val Phe Val Val Cys
1   5   10   15

Cys Leu Val Thr Gln Gln Leu Gln Trp Leu Ala Thr Gly Val Val Tyr
            20   25   30

Tyr Met Gly Pro Ala Gln Pro Xaa Pro Leu Glu Ala Thr Cys Pro Gln

6643

```
              35                40                45
Ser Ala Arg Xaa Phe Val Leu Val Ala Lys Xaa Asn Asn Val Asn His
     50                55                60

Xaa Lys Arg Pro Cys Xaa Leu
 65                70
```

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<210> 7442
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<400> 7442
Xaa Ala Gly Lys Ala Xaa Arg Ile Xaa Pro Gly Ile Leu Xaa Ser Thr
  1               5              10                 15

His Ala Ser Ala Gly Leu Leu Gly Trp Phe Ser Ser Ser Gly Pro Phe
           20                  25                 30

Trp Gly Thr Xaa Xaa Pro Xaa Phe Leu Arg Cys Xaa Phe Pro His Arg
           35                  40                 45

Phe Pro
   50




<210> 7443
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<212> PRT
<213> Homo sapiens

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<400> 7443
Asp Xaa Ala Asn Pro Asp Pro Val Ala Asn Val Tyr Pro Ile Xaa Tyr
```

6645

```
         1                5                    10                   15

       Pro Arg Ser Xaa Phe Ser Phe Ala Phe Ile Leu Thr Thr Ala Val Xaa
                    20                   25                   30

       Tyr Ser Ala Leu His Val Arg Pro Phe Phe Gly Cys Cys Val Val Trp
                    35                   40                   45

       Gly Ala Val Ala Val Trp Xaa Leu Val Val Ser His Gly Leu Pro Tyr
            50                   55                   60

       Thr
        65



<210> 7444
<211> 73
<212> PRT
<213> Homo sapiens

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<400> 7444
       Ser Val Xaa Arg Phe Thr Arg Ser Phe Ile Ser Phe Leu Arg Pro Leu
         1                5                    10                   15

       Leu Cys Cys Leu Tyr Cys Cys Ile Phe Ala Lys Ala Val Leu Leu Leu
                    20                   25                   30

       Thr Gly Val Leu Cys Leu Leu Ala Val Thr Leu Leu Tyr Thr Ala Ala
                    35                   40                   45

       Leu Arg Ser Glu Cys Tyr Ala Ala Ala Asn Xaa Ser Thr Asp Ala Tyr
            50                   55                   60

       Ser Thr Leu Val Leu Leu Ala Tyr Val
        65                   70



<210> 7445
<211> 71
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<212> PRT
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<400> 7445
Ala His Ala Thr Gly Arg Xaa Gln Leu Ala Pro Pro Arg Thr Gly Thr
 1               5                   10                  15

Xaa Ala Pro Arg Leu Pro Thr Xaa Val Ala Asp Cys Thr Cys Leu Gly
            20                  25                  30

Met Cys Leu Ile Ser Xaa Ala His Val Met Ala Arg Xaa Ile Ser Ser
```

6647

```
        35                  40                  45

Tyr His Asn Ala Ser Asp Arg Arg Phe Gly Ile Xaa Xaa Arg Arg Leu
    50                  55              60

Gln Xaa Ala Cys Pro Ile Met
65                  70



<210> 7446
<211> 35
<212> PRT
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<220>
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<220>
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<400> 7446
Xaa Phe Val Gly Trp Xaa Arg Trp Asp Thr Gly Xaa Ile Leu Gly Lys
    1               5                  10                  15

Trp Leu Xaa Thr Phe Leu Ser Arg Ser Tyr Leu Ala His His Val Xaa
                20                  25                  30

Leu Asn Gly
        35
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6648

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<210> 7447
<211> 95
<212> PRT
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<400> 7447
Gln Leu Gln Ala Arg Glu Asp Gly Arg Leu Pro Val Gln Gly Ala Asn
  1           5                  10                  15

Cys Cys Tyr Tyr Val Asn Glu Arg Trp Asn Gly Arg Gln Arg Lys Lys
             20                  25                  30

Arg His Xaa Asn Thr Thr Asp Ile Glu Trp Leu Glu Pro Phe Ala Glu
             35                  40                  45

Arg Gly Pro Gly Gly Arg Ala Ala Ala Gln Cys Glu Gln Pro Ile Met
     50                  55                  60

Lys Lys Thr Thr Thr Thr Lys Ala Xaa Val Val Gly Thr Leu Trp Ser
 65                  70                  75                  80

Trp Xaa Gln Leu Gly Asp Lys Lys Thr Phe Trp Ala Thr Gly Arg
             85                  90                  95
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<210> 7448
<211> 134
<212> PRT
<213> Homo sapiens

<220>
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6650

<400> 7448
Xaa Xaa Asn Xaa Cys Leu Pro Xaa Leu Pro Val Ile Tyr Leu Val Leu
 1   5   10   15

Tyr Leu Val Leu Tyr Leu Val Leu Phe Thr Leu Leu Phe Leu Leu Phe
            20   25   30

Ser Val Cys Ser Arg Val Pro Val Ala Glu Leu Thr Leu Arg Arg Arg
        35   40   45

Val Trp Tyr Val Leu Val Ala Gly Val Ile Pro Ile Val Val Leu Ile
    50   55   60

Xaa Thr Ala Val Phe Xaa Val Xaa Thr Val Pro Thr Val Ser Ile Pro
65   70   75   80

Ala Leu Ala Thr Ala Thr Pro Thr Ala Val Arg Pro Xaa Asn Arg Ile
            85   90   95

Gly Ser Met Ser Val Gly Arg Gln Ser Leu Phe Cys Xaa Leu Phe Thr
            100   105   110

Leu Xaa Arg Phe Lys Leu Tyr Glu Val Cys Arg Val Arg Gly Val Ala
        115   120   125

Asn Ser Ile Ala Thr Xaa
        130

<210> 7449
<211> 39
<212> PRT
<213> Homo sapiens

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<400> 7449
His Phe Ser Phe Ser Phe Asn Leu Gln Tyr Leu Trp Arg Ala Ser Arg
 1   5   10   15

Arg His Gln Ser Thr His Phe Phe Pro Ser Leu Leu Arg Leu Xaa Glu
            20   25   30

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Leu Pro Met Asp Xaa Val Arg
          35


<210> 7450
<211> 67
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6652

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<400> 7450
Xaa Arg Xaa Leu Pro Ser Xaa Arg Ala Ile Arg Asn Pro Val Lys Ala
 1               5                  10                  15

Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg
            20                  25                  30

Pro Arg Xaa Arg Gly Arg Pro Leu Arg Ser Arg His Xaa Xaa Cys Arg
            35                  40                  45

Lys Glu His Pro Glu Met Lys Gly His Gln Glu Glu Xaa His Tyr Leu
        50                  55                  60

Leu Xaa Gln
 65
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<210> 7451
<211> 155
<212> PRT
<213> Homo sapiens

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<400> 7451
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Val Xaa Ile Val Lys Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Phe
 1           5               10              15

Pro Gly Arg Pro Thr Arg Ser Val Xaa Asp Glu Gln Glu His Tyr Ile
            20              25              30

Ser Asp Asp Leu Asp Ile Glu Thr Lys Met Glu Glu Gln Glu Lys Asn
        35              40              45

Pro Ala Ser Ser Glu Leu Glu Glu Pro Ser Leu Val Cys Glu Glu Asp
    50              55              60

Glu Ile Met Arg Ser Lys Glu Ser Pro Asp Leu Ser Ile Xaa His Ser
65              70              75              80

Gln Val Glu Gln Leu Val Asn Lys Thr Ser Glu Leu Asp Met Ser Glu
            85              90              95

Ser Lys Thr Arg Ser Gly Lys Val Phe Gln Asn Lys Met Ala Asn Gly
            100             105             110

Asn Xaa Pro Val Lys Ser Ser Lys Glu Asn Arg Lys Arg Xaa Gln His
        115             120             125

Glu Ser Xaa Arg Ile Val Xaa Leu Met Ile Met Tyr Arg Xaa Asn Thr
    130             135             140

Met Gly Arg Ile Thr Asn Ile Ile Thr Thr Asp
145             150             155
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<210> 7452
<211> 29
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<213> Homo sapiens

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<400> 7452
Ala Val Xaa Phe Leu Xaa Xaa Asn Xaa Thr His Tyr Phe Gly Lys Leu
 1               5                   10                  15

Val Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Arg
            20                  25
```

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<210> 7453
<211> 27
<212> PRT
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6655

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7453
Val Asp Met Xaa Trp Lys Trp Ile Xaa Thr Leu Val Asn Glu Gln Met
 1   5   10   15

Ile Xaa Tyr Val Leu Lys Met His His Pro Xaa
             20   25

<210> 7454
<211> 60
<212> PRT
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<400> 7454
Arg Xaa Ile Leu His Pro Xaa Xaa Asp Arg His Leu Asp Pro His Ser
 1               5                   10                  15

Pro Xaa Ala Arg Gly Gly Gly Phe Pro Trp Asp Val Lys Gly Trp Pro
             20              25                  30

Leu Leu Ser Pro Cys Asn Xaa Asn Val Asn Pro Thr Glu Ala Pro Ser
         35              40                  45

Arg Xaa Pro Glu Ser Trp Xaa Xaa Thr Asn Xaa Val
     50              55              60


<210> 7455
<211> 33
<212> PRT
<213> Homo sapiens

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<400> 7455
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6657

```
Thr Ile Phe Xaa Arg Trp Tyr Pro Leu Gln Val Pro Val Arg Asn Ser
 1               5               10              15

Arg Val Asp Pro Xaa Val Arg Phe Xaa Gln Xaa Leu Thr Arg Asp Gly
            20              25              30

Lys
```

```
<210> 7456
<211> 50
<212> PRT
<213> Homo sapiens

<400> 7456
Val Asn Thr Asp Gly Phe Pro Leu Ile Phe Gln Phe Tyr Val Glu Ser
 1               5               10              15

Ser Leu Asp Tyr Lys Phe His Met Leu Leu Gly Val Phe Ser Val Cys
            20              25              30

Leu Ile Ala Cys His Trp Lys Val Lys Asn Leu Asp Leu Asp Ile Ile
            35              40              45

Lys Ile
     50
```

```
<210> 7457
<211> 48
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6658

<400> 7457
Gly Gly Pro Phe Gly Ser Arg Arg Gly Ala Gly Gly Ala Gly Ala Gly
 1   5   10   15

Pro Gly Gly Gly Gly Ser Gly Gly Val Ala Lys Trp Leu Arg Glu His
            20   25   30

Leu Gly Phe Arg Gly Gly Xaa Gly Xaa Xaa Gly Gly Arg Lys Pro Ala
            35   40   45

<210> 7458
<211> 42
<212> PRT
<213> Homo sapiens

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<400> 7458
His Tyr Xaa Gly Xaa Glu Ile Tyr Lys Glu Xaa Lys Tyr Xaa Ser Ile
 1               5                  10                  15

Tyr Asn Phe Xaa Lys Arg Phe Asn Val Lys Ile Xaa Trp Ile Cys Xaa
            20                  25                  30

Xaa Asn Asn Thr Tyr Arg Tyr Val Leu Cys
            35                  40


<210> 7459
<211> 20
<212> PRT
<213> Homo sapiens

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<220>
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<220>
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6660

<400> 7459
Asp Arg Leu Xaa Xaa Cys Lys Val Asn Lys Xaa Phe Lys Xaa Lys His
 1   5   10   15

Cys Xaa Trp Thr
            20

<210> 7460
<211> 112
<212> PRT
<213> Homo sapiens

<220>
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<400> 7460
Pro Thr Arg Ser Gly Ile His Val Glu Ala Thr Pro Ala Ala Ser Ala
 1   5   10   15

Phe Leu Gly Ala Glu Arg Gln Pro Arg Pro Pro Val Pro Ser Pro Pro
            20   25   30

Ser His His Arg Ser Ser Ala Pro Gly Arg Thr Val Trp Pro Leu Pro
        35   40   45

Val Pro Ala Met Gly Ser Gly Trp Thr Pro Trp Ala Pro Pro Ile Ala
    50   55   60

Lys Pro Gly Arg Gln Leu Ser Leu Val Pro Ala Arg Asp Ser Pro Gly
65   70   75   80

Phe Pro Ser Ile Leu Met Cys Pro Leu Xaa Pro Leu Gln Arg Pro Pro
            85   90   95

Thr Gln His His Arg Pro Gly Leu Leu Gln Thr Ile Asn Tyr Asn His
            100   105   110

<210> 7461
<211> 20
<212> PRT
<213> Homo sapiens

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<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7461
Val Asp Pro Arg Val Arg Xaa Arg Val Gly Xaa Pro Val Leu Leu Xaa
 1               5                   10                  15

Gln Thr Pro Xaa
            20




<210> 7462
<211> 105
<212> PRT
<213> Homo sapiens

<220>
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<222> (20)
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<222> (74)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6662

<222> (102)
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<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7462
```
Leu Lys Phe Thr Leu Arg Trp Phe His Phe Leu Val Tyr Lys Gly Arg
 1               5                  10                  15

Val Ser Asp Xaa Cys Pro Val Ile Ser Gly Thr Pro Ser Gly Lys Glu
            20                  25                  30

Ala Glu Gly Pro Ser Tyr Gly Arg Val His Pro Val Arg Pro Ser Thr
            35                  40                  45

Thr Lys Val Ser Trp Phe Pro Phe Leu Pro Ser Tyr His Ser Phe Pro
        50                  55                  60

Gly Ser His Pro Leu His Ile Gln Gln Xaa Gly Leu Thr Phe Leu Cys
 65              70                  75                  80

Xaa Ser Trp Glu Asn Thr Ser Leu Leu Gln Cys Lys Val Arg Leu Asp
            85                  90                  95

Lys Gln Ala Gly Val Xaa Glu Ala Xaa
            100             105
```

<210> 7463
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<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7463
```
Thr Phe Gly Lys Ala Gly Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro
 1               5                  10                  15
```

6663

```
Gly Arg Pro Thr Arg Pro Phe Ala Ser Lys Ala Xaa Arg Xaa
          20                  25                  30
```

<210> 7464
<211> 39
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7464
```
Xaa Xaa Leu Arg Arg Cys Gly Leu Leu Xaa Ile Asp Leu His Xaa Asn
  1             5                  10                  15

Xaa Tyr Met Thr Xaa Thr Thr Pro Lys Glu Ile Leu Arg Ile Trp His
          20                  25                  30

Ser Tyr Ser Leu Cys Val Ile
          35
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<210> 7465
<211> 89
<212> PRT
<213> Homo sapiens

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<400> 7465
Phe Leu Tyr His Leu Phe Leu Glu Ala Phe Arg Ser Pro Val Phe Arg
 1   5   10   15

His Gly Thr Asp Lys Asn Gly Phe Ser Leu Gly Phe Ser Lys Asn Met
             20   25   30

Arg Gln Val Phe Gly Asp Glu Lys Lys Tyr Trp Leu Leu Pro Ile Phe
         35   40   45

Ser Ser Leu Gly Asp Gly Cys Ser Phe Pro Thr Cys Leu Val Asn Gln
     50   55   60

Asp Pro Glu Gln Ala Ser Thr Pro Cys Arg Ala Glu Phe His Ser Leu
 65   70   75   80

Lys Ser Arg Lys Pro Xaa Ser Xaa Leu
                 85

<210> 7466
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<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (2)
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<400> 7466
Ala Xaa Trp Ala Asp Phe Asp Ser Xaa Xaa Xaa Phe Gly Phe Gly Xaa
 1   5   10   15

Ser Lys Pro

<210> 7467
<211> 99
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>

6666

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<400> 7467
Thr Lys Xaa Gly Glu Leu Ile Ser Val Pro Leu Leu Xaa Xaa Gly Tyr
 1               5                  10                  15

Val Leu Val Arg Gly Ser Ser Asp Lys Asn Gln Ile Ser Ser Thr Ile
            20                  25                  30

Ser Leu Leu Lys Tyr Leu Xaa Xaa Gly Tyr Ser Ile Gly Thr Pro Leu
            35                  40                  45

Asp Gly Pro Lys Gly Pro Lys Glu Xaa Xaa Lys Lys Gly Leu Xaa Tyr
        50                  55                  60

Xaa Ser Gln Lys Thr Ser Ile Pro Leu Val Pro Val Gly Ile Ser Tyr
65                  70                  75                  80

Ser Xaa Lys Trp Ile Leu Lys Lys Thr Trp Asp Lys Xaa Glu Ile Pro
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6667

```
                85                    90                    95

Lys Pro Phe




<210> 7468
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<213> Homo sapiens

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7468
Thr Ser Glu Val Thr Leu Leu Gly Ile Glu Asn Ala Thr Thr Trp Xaa
  1               5                  10                  15

Pro Xaa Glu Xaa Xaa
            20




<210> 7469
<211> 62
<212> PRT
<213> Homo sapiens

<220>
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6668

<400> 7469
Val Lys Leu Arg Asp Xaa Gly Leu Ser Gly Arg Gly Phe Ala Thr Glu
 1   5   10   15

Met Thr Cys Met Trp Gln Pro Pro Glu Pro Glu Asp Met Gln Pro Arg
             20   25   30

Ala Glu Ser Glu Ala Asp Pro Leu Arg Ala His Ser Leu Pro Phe Pro
         35   40   45

Ser Arg Ile Pro Ser Ser Lys Gln Ala Ile Leu Lys Ser Leu
     50   55   60

<210> 7470
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<400> 7470

6669

Gln Gly Glu Ser Xaa Leu Thr Thr Xaa Xaa Xaa Trp Pro Ala Glu Gln
 1   5   10   15

Ala Pro Xaa Arg Asn Ser Arg Val Asp Pro Arg Ala Phe His Pro Xaa
            20   25   30

Ala

<210> 7471
<211> 46
<212> PRT
<213> Homo sapiens

<220>
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<220>
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6670

```
<400> 7471
Xaa Asn Val Xaa Arg His Ala Leu Arg Xaa Leu Ile His Leu His Xaa
 1               5                  10                  15

Arg Val Ala Pro Ser Lys Leu Glu Ala Xaa Gln Lys Ala Leu Glu Pro
                20                  25                  30

Thr Gly Gln Ser Gly Ile Gly Ser Glu Xaa Ala Xaa Leu Pro
                35                  40                  45


<210> 7472
<211> 77
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<222> (58)
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<220>
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6671

<400> 7472
Ala Ala Glu Cys Arg Gly Met Glu Gly Glu Pro Pro Trp Glu Gly Ala
1   5   10   15

Arg Gly Leu Ala Glu Gln Leu Gly Gly Val Arg Glu Val Arg Arg Cys
            20   25   30

Pro Gly Gln Gly Ala Xaa Ala Leu Met Xaa Asp Ser Ser Xaa Gln Ser
        35   40   45

Xaa Gly Ala Met Arg Thr Ala Xaa Ala Xaa Glu Ser Gly Val Ala Ser
    50   55   60

Pro Pro Gln Ala Val Leu Ala Thr Gln Xaa His Tyr Pro
65   70   75

<210> 7473
<211> 22
<212> PRT
<213> Homo sapiens

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<400> 7473
Leu Phe Thr Xaa Xaa Asp Ala Phe Arg Tyr Leu Ala Leu Met Trp Glu
1   5   10   15

Glu Xaa Ile Asp Leu Xaa
        20

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<210> 7474
<211> 91
<212> PRT
<213> Homo sapiens

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6673

<400> 7474
Xaa Ile Asn Gln Lys Asn Xaa Gly Gly Pro Pro Pro Glu Arg Ala Ser
  1   5   10   15

Phe Leu Ala Leu Gly Xaa Gln Xaa Pro Pro Leu Lys Pro Phe Pro Ser
          20   25   30

Phe Gln Pro Tyr Gly Pro Ser Gln Glu Gly Glu Glu Ser Pro Arg Ser
          35   40   45

Xaa Xaa Gly Arg Lys Gln Ala Xaa Pro Trp Pro Pro Thr Gly Phe Lys
      50   55   60

Asn Pro Lys Pro Lys Val Pro Leu Pro Leu Gly Ala Gln Gly Pro Xaa
  65   70   75   80

Ile Xaa Lys Lys Trp Lys Asn Leu Glu Gln Leu
              85   90

<210> 7475
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<212> PRT
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6674

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<400> 7475
Xaa Ser Ile Leu Xaa Ile Pro Phe Ile Xaa Lys Ala Ser Thr Pro Ala
 1               5                  10                  15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Leu Ser Val Xaa Val
            20                  25                  30

Ala Pro Ser Cys Gly Leu Xaa Xaa Pro Val Xaa Met Ser Ser Xaa Arg
            35                  40                  45




<210> 7476
<211> 33
<212> PRT
<213> Homo sapiens

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<400> 7476
Xaa Asn Pro Val Lys Ala Cys Thr Pro Ala Gly Thr Gly Pro Glu Phe
 1               5                  10                  15

Pro Gly Arg Pro Thr Arg Pro Xaa Arg Val Arg Pro Arg Val Arg Pro
```

6675

```
              20                    25                    30

Arg



<210> 7477
<211> 58
<212> PRT
<213> Homo sapiens

<400> 7477
Val Ser Thr Arg Leu Glu Thr Val Met Cys Pro Ala Trp Leu Ala Leu
 1               5                  10                  15


Ala Ser His Ser Ala Leu Cys Val Gln Gly Ala Ser Gly His Ser Asp
              20                    25                    30


Glu Asp Leu Val Thr Ser Ala Gln His Arg Arg Gln Val Glu Glu Asp
             35                    40                    45


Gly Lys Leu Arg Gly Phe Phe Arg Glu Lys
        50                    55



<210> 7478
<211> 33
<212> PRT
<213> Homo sapiens

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6676

<400> 7478
Xaa Ser Arg Cys Arg Pro Arg Xaa Leu Val Xaa Leu Thr Trp Glu Pro
 1   5   10   15

Leu Leu Tyr Leu Xaa Ala Gly Thr Pro Ala Gly Thr Gly Pro Glu Ser
                20   25   30

Pro

<210> 7479
<211> 20
<212> PRT
<213> Homo sapiens

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<400> 7479
His Asp Ile Leu Leu Glu Phe Ser Ala His Met Leu Thr Asp Xaa Xaa
 1   5   10   15

Xaa Gly Xaa Xaa
                20

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<210> 7480
<211> 27
<212> PRT
<213> Homo sapiens

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<400> 7480
Pro Arg Ser Phe Phe Trp Gly Lys Lys Lys Pro Pro Ser Pro Phe Phe
 1               5                  10                  15

Gly Gly Lys Lys Xaa Xaa Xaa Pro Leu Leu Trp
              20                  25
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<210> 7481
<211> 23
<212> PRT
<213> Homo sapiens

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<220>
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<400> 7481
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6678

```
Ala Xaa Ala Arg Ser Xaa Pro Phe Leu Gly Ala Trp Leu Met Trp Met
 1               5                  10                  15

Xaa Glu Gly Leu Gly Pro Leu
              20
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<210> 7482
<211> 80
<212> PRT
<213> Homo sapiens

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6679

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<400> 7482
Ile Asp Xaa Cys Ser Leu Pro Ser Xaa Cys Pro Ser Pro Gly Leu His
 1   5   10   15

Ile Leu Thr Gly Leu Xaa Pro Phe Xaa Gln Met Xaa Val Phe Leu Pro
            20   25   30

Leu Phe Thr Leu Gln Leu Lys Phe Asn Tyr Leu Lys Xaa Xaa Xaa Tyr
        35   40   45

Xaa Ser Phe Pro Trp Leu Gln Thr Phe Xaa Leu Pro Leu Arg Leu Lys
    50   55   60

Leu Xaa Phe Leu Thr Val Tyr Ser Val Gln Leu Pro Thr Phe Leu Xaa
65   70   75   80

<210> 7483
<211> 54
<212> PRT
<213> Homo sapiens

<400> 7483
Ser Phe Val Ile Gln Gly Gly Gln Glu Lys Gly Tyr Gly Ala Ala Glu
 1   5   10   15

6680

Leu Ser Asn Ser Leu Arg Gln Glu Lys Arg Lys Glu Lys Met Tyr Ile
            20   25   30

Phe Lys Phe Gln Phe Lys Pro Leu Leu Val Thr Lys Cys Phe Asp Met
        35   40   45

Ile Ser His Thr Lys Ser
    50

<210> 7484
<211> 64
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7484
Gln Lys Lys Glu Leu Arg Ala Val Ser Met Glu Arg Arg Xaa Gly Cys
 1   5   10   15

Leu Ser Trp Leu Ala Leu Ser Leu Ala His Tyr Gln Lys Thr Ser Arg
            20   25   30

Glu Gln Leu Xaa Lys Gly Phe Gly Ile Lys Ile Cys Leu Lys Lys Tyr
        35   40   45

Pro Glu Ile Gly Phe Pro Ile Lys Thr Leu Pro Ile Phe Ser Lys Ile
    50   55   60

<210> 7485
<211> 41
<212> PRT
<213> Homo sapiens

<220>

6681

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<400> 7485
Leu Xaa Arg Lys Tyr Xaa Tyr Tyr Arg Val Ser Trp Tyr Ala Cys Arg
 1               5                   10                  15

Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Xaa Xaa Asp Ala Xaa
            20                  25                  30

Gly Glu Lys Leu Leu Ser Pro Gly Ala
            35                  40



<210> 7486
<211> 21
<212> PRT
<213> Homo sapiens

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<222> (3)
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6682

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<400> 7486
Arg Thr Xaa Xaa Gln Asp Leu Arg Arg Glu Ile Asp Leu Pro Lys Arg
 1               5                  10                  15

Asp Arg Phe Xaa Xaa
           20




<210> 7487
<211> 20
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids


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<400> 7487
Ala Asn Ser Xaa Ser Thr Pro Asp Tyr Leu Phe Asp Met Gly Gln Xaa
 1               5                  10                  15

Xaa Glu Tyr Xaa
           20
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<210> 7488
<211> 13
<212> PRT
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<400> 7488
Met Thr Phe Xaa Thr Ser Xaa Xaa Lys Ala Tyr Arg Xaa
 1               5                   10



<210> 7489
<211> 22
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7489
Ala Ser Glu Xaa Gly Glu Leu Ile Pro Pro Ser Lys Pro Ser Leu Gly
 1   5   10   15

Trp Val Gln Trp Xaa Xaa
            20

<210> 7490
<211> 81
<212> PRT
<213> Homo sapiens

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<400> 7490
Cys Tyr Ser Ser Glu Xaa Val Leu Pro Gln Xaa Pro Val Arg Asn Ser
  1           5               10              15

Arg Val Asp Pro Arg Val Arg Pro Arg Phe Ser Xaa Thr Xaa Leu Tyr
             20              25              30

Arg Glu Lys Xaa Gly Leu Leu Trp Ala Ser Tyr Ala Glu Xaa Tyr Xaa
         35              40              45

Arg Xaa Val Arg Lys Ile Met Met His Gln Leu Ser Ser Lys Ser Ser
     50              55              60

Leu Xaa Leu Phe Thr Ala Leu Xaa Leu Leu Xaa Pro Xaa Ala Asp Gly
 65              70              75              80

Cys


<210> 7491
<211> 27
<212> PRT
<213> Homo sapiens
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6686

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7491
Xaa Cys Leu Tyr Tyr Tyr Ser Pro Ile Ile Xaa His Tyr Glu Ile Met
 1               5                   10                  15

Ile Ile Gln Xaa Asp Ser Lys Xaa Tyr Asn Ile
            20              25




<210> 7492
<211> 24
<212> PRT
<213> Homo sapiens

<220>
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<220>
<221> SITE
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6687

<222> (19)
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<400> 7492
Glu Leu Cys Leu Cys Leu Leu Asn Ile Xaa Xaa Asn Xaa Trp Phe Thr
 1   5   10   15

Lys Ile Xaa Arg Lys Arg Gly Lys
            20

<210> 7493
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (13)
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<400> 7493
Phe Ser Ser Ile Leu Ala Gly Ser Glu Tyr Ala Thr Xaa Lys Ile Glu
 1   5   10   15

Thr Ser Lys Ile His Ser Met Ser Arg Leu Phe Thr Asp Gly Val Thr
            20   25   30

Lys Asn Asn Glu Val Asn Val Val Ala Ser Gly Lys Asn Thr Gly Gly
         35   40   45

Ile Gly Lys Gly Trp Val Gly Gly Leu Leu Phe Phe Ala Phe Ala Pro
      50   55   60

Leu Ser Ser Phe Val Leu Ser Ser Asn Arg His Leu Leu Phe Ala Lys
 65   70   75   80

His Met

<210> 7494
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<212> PRT
<213> Homo sapiens

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6688

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<220>
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<400> 7494
Xaa Ile Leu Xaa Lys Leu Leu Thr Ile Val Lys Ala Gly Thr Pro Ala
 1               5                  10                  15

Gly Thr Gly Pro Glu Phe Pro Gly Arg Pro Thr Arg Pro Leu Pro Leu
             20                  25                  30

Cys Gln Val Trp Trp Lys Xaa Gly Gln Xaa Xaa Lys Asn
             35                  40                  45


<210> 7495
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<222> (10)
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<400> 7495
Asp Leu Tyr Tyr Xaa Xaa Ser Trp Tyr Xaa Cys Arg Tyr Arg Ser Gly
 1               5                   10                  15

Ile Pro



<210> 7496
<211> 68
<212> PRT
<213> Homo sapiens

<220>
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<400> 7496
Ser Pro Xaa Trp Asp Xaa Cys Xaa Xaa Arg Ser Gly Xaa Pro Gly Ser
 1               5                  10                  15

Thr His Ala Ser Ala His Ser Val Leu Glu Phe Phe Ser Phe Glu Ser
             20                  25                  30

Tyr Val Gly Gly Leu Xaa Asp Tyr Val Ser Ile Lys Leu Met Gly Leu
             35                  40                  45

Xaa Gly Ala Pro Xaa Glu Ser Xaa Xaa Val Leu Asp Asn Leu Leu Ser
        50                  55                  60

Ala Leu Leu Cys
 65




<210> 7497
<211> 94
<212> PRT
<213> Homo sapiens

<400> 7497
Leu Ala Cys Phe Tyr Asn Phe Ile Phe Gln Ile Leu Thr Thr Thr Ala
 1               5                  10                  15

Phe Arg Val Val Ile Leu Leu Phe Leu Lys Gln Glu Ile Thr Ile Cys
             20                  25                  30

Ile Cys Thr Cys Val Leu His Met Asn Tyr Gly Ile Leu Gly Lys Cys
             35                  40                  45

Phe Ser Phe Thr Cys Glu Asn Ser Glu Ser Trp Ser Lys Leu His Cys
        50                  55                  60
```

6691

```
    Ile Pro Asn Cys Ala Leu Ile Tyr Tyr Leu His Arg Val Leu Phe Asn
    65                  70              75                  80

    Gln Ile Ala Cys Phe Ser Phe Ile Ile Val Ser Phe Leu Leu
                    85              90
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<210> 7498
<211> 47
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<213> Homo sapiens

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<220>
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<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7498
Xaa Pro Xaa Glu Thr Pro His Ser Xaa Xaa Gly Lys Leu Ala Arg Leu
```

6692

```
     1                5                10                15

   Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Phe Arg Arg Ser
               20                25                30

   Leu Pro Leu Val Lys Glu Gly Val Xaa Pro Glu Ser Xaa Xaa Ser
               35                40                45
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<210> 7499
<211> 60
<212> PRT
<213> Homo sapiens

<220>
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<400> 7499

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   Glu Phe Ala Leu Arg Ser Ala Ser Ile Leu Leu Ala Ser Xaa Cys Ile
     1                5                10                15

   Ala Phe Val Ile Arg Arg Thr Asn Ser Arg Leu Asn Met Lys Gly Phe
               20                25                30

   Ser Ser Val Ser Ser Lys Lys Ala Ser Leu Ser Ser His Leu Thr Ser
               35                40                45

   Asn Ser Phe Pro Val Cys Gln Leu Gln Ser Gln His
       50                55                60
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<210> 7500
<211> 43
<212> PRT
<213> Homo sapiens

<220>
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6693

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<400> 7500
Val Leu Ile Ile Leu Arg Gln Arg Trp Val Glu Phe Glu Asn Asn Xaa
 1               5                   10                  15

Asn Xaa Pro Phe Val Ile Xaa Pro Phe Thr Met Leu Cys Gln Lys Ile
            20                  25                  30

Arg Ile Ser Ile Leu Gly Xaa Xaa Ile Thr Met
            35                  40



<210> 7501
<211> 35
<212> PRT
<213> Homo sapiens

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6694

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<400> 7501
Xaa Leu Asp Asn Pro Xaa Ser Lys Gly Arg Arg Gln Arg Gln Ala Glu
 1               5                  10                  15


Glu Ala Glu Ala Xaa Glu Gly Ala Xaa Glu Lys Gly Xaa Glu Gly Leu
            20              25              30


Asn Xaa Gly
        35




<210> 7502
<211> 36
<212> PRT
<213> Homo sapiens


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<400> 7502
Arg Pro Pro Ala Gly Thr Gly Pro Glu Phe Pro Gly Leu Pro Xaa Arg
 1               5                  10                  15
```

6695

Xaa Phe Lys Pro Tyr Asn Lys Leu Lys Asn Arg Xaa Thr Xaa Asn Glu
        20   25   30

Asn Pro Glu Asn
        35

<210> 7503
<211> 52
<212> PRT
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6696

<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 7503

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Lys Gly Arg Lys Xaa Gln Asp Arg Ser Gly Ile Pro Gly Ser Thr Pro
 1               5               10              15

Leu Pro Arg Thr Xaa Phe Lys Xaa Ala Thr Xaa Ser Leu Glu Leu Gly
            20              25              30

Ala Thr Leu Xaa Xaa Ala Leu Xaa Ser Ile Xaa Leu Tyr Gly Thr Xaa
        35              40              45

Val Tyr Gln Ile
    50
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<210> 7504
<211> 23
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<213> Homo sapiens

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<222> (19)
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<400> 7504

```
Phe Xaa Thr Gln Gly Xaa Ala Gly Pro Gly Gly Ala Leu Gly Ser Lys
 1               5               10              15

Pro Ala Xaa Gln Asp Asp Glu
        20
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6697

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<210> 7505
<211> 116
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7505
Trp Gly Phe Val Ser Ala Pro Arg Lys Trp Arg Arg Gly Pro Trp Arg
 1               5                  10                  15

Pro Leu Pro Arg Gly Gln Arg Arg Thr Pro Ser Pro Pro Leu Gly Ala
            20                  25                  30

Pro Ala Ala Gly Pro Ala Pro Pro Ala Pro Ser Leu Thr Arg Leu
            35                  40                  45

Ser Pro Pro Leu Xaa Pro Leu Glu Thr Leu Ala Ile Leu Phe Arg Gly
        50                  55                  60

Leu Leu Asp Arg Pro Cys Tyr Leu Gln Arg Val Cys Arg Ala Arg Glu
65                  70                  75                  80
```

6698

```
Thr Arg Asp Arg Arg Pro Xaa Ser Gly Xaa Ser Trp Gly His Leu Gly
            85              90              95

Lys Asp Ala Asp Ala Ser Leu Glu Leu Ala Leu Ala Xaa Gly Ser Xaa
            100             105             110

Phe Thr Ala Xaa
        115
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<210> 7506
<211> 32
<212> PRT
<213> Homo sapiens

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<220>
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6699

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<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7506
Arg Pro His Xaa Lys Asn Xaa Xaa Lys Xaa Pro Leu Xaa Val Pro Val
 1               5                  10                  15


Arg Xaa Xaa Arg Asp Val Pro Arg Asp Leu Phe Lys Arg Lys Xaa Asn
            20                  25                  30




<210> 7507
<211> 109
<212> PRT
<213> Homo sapiens


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<400> 7507
Gly Pro Pro Pro Arg Cys Cys Ser Pro Arg Asn Ser Thr Ala Phe Glu
 1               5                  10                  15
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6700

Tyr Leu Glu Glu Phe Pro Ile Gln Met Leu Ala Gln Leu Glu Thr Leu
            20   25   30

Thr Gly Arg Lys Ala Lys His Gly Leu Phe Ala Ser Thr Trp Asn Met
            35   40   45

Ala Glu Ile Ser Leu Ala Pro Thr Arg Thr Ser Ser Leu Met Thr Gly
       50   55   60

Leu Trp Gly Thr Gln Lys Met Pro Gly Ser Leu Thr Phe Phe Ile Leu
65   70   75   80

Xaa Ser Thr Thr Ile Asp Thr Xaa Pro Pro Xaa Ser Arg Ser Leu Pro
                85   90   95

Ser Pro Thr Xaa Gly Leu Leu Lys Thr Xaa Arg Cys Lys
            100   105

<210> 7508
<211> 57
<212> PRT
<213> Homo sapiens

<400> 7508
Asn Val Ile Ser Ser Cys Asn Gln Tyr Lys Val Ile Lys Met Phe Ser
  1   5   10   15

Cys Gln Ile Leu Asn Leu Val Cys Asn Phe Ile Leu Ser Thr Ser Gln
            20   25   30

Ala Ile Cys Gln Met Leu Gly Ser Arg Met Trp Leu Gly Asp Tyr Arg
            35   40   45

Met Gly Gln Cys Arg Ser Arg Ile Trp
       50   55

<210> 7509
<211> 18
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7509
Xaa Phe Lys Asn Arg Thr Ser Thr Thr Arg Tyr Gly Xaa Xaa Leu Lys
 1               5                  10                  15

Lys Gln




<210> 7510
<211> 43
<212> PRT
<213> Homo sapiens


<220>
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<220>
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<400> 7510
Ala Ser Asn Lys Leu Ala Leu Lys Xaa Ile Lys Gln Lys Tyr Asn Tyr
 1               5                  10                  15
```

6702

```
Lys Glu Lys Leu Ala Asn Xaa His Leu Gln Trp Glu Asn Cys Ile Xaa
            20                  25                  30

Leu Ser Xaa Asn Xaa Arg Thr Ser Lys Gln Asn
        35                  40
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<210> 7511
<211> 32
<212> PRT
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7511
```
Ala Ala Xaa Lys Ser Gly Xaa Asn Xaa Arg Gly Leu Ser Leu Val Ala
  1           5               10                  15

His Ile Trp Tyr Leu Ile Gly Tyr Lys Leu Glu Leu Phe Ala Asn Xaa
            20                  25                  30
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<210> 7512
<211> 17
<212> PRT
<213> Homo sapiens

6703

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<400> 7512
Arg Phe Phe Ser Lys Val Lys Met Asp Xaa Gly Leu Xaa Arg Xaa Phe
 1               5                   10                  15

Xaa




<210> 7513
<211> 129
<212> PRT
<213> Homo sapiens

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6706

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<400> 7513
Xaa Xaa Thr Pro Asp Gly Ile Xaa Lys Thr Pro Ser Arg Arg Asn Pro
 1               5                  10                  15

Gly Thr Pro Ala Gly Thr Gly Pro Glu Xaa Pro Gly Arg Pro Thr Leu
            20                  25                  30

Phe Ala Xaa Pro Xaa Xaa Gly Xaa Pro Arg Xaa Gly Ser Lys Lys Arg
            35                  40                  45

Thr Xaa Arg Thr Gly Thr Gln Thr Xaa Thr Xaa Xaa Asn Ala Glu Arg
    50                  55                  60

Gly Xaa Xaa Thr Ser Xaa Ala Ser Pro Arg Xaa His Xaa His Xaa Ser
    65                  70                  75                  80
```

6707

```
Xaa Pro Xaa Xaa Xaa Pro Xaa Lys Leu Arg Arg Ala Xaa Arg Thr Xaa
            85              90              95

Ser Arg Pro Ser Gly Ala Lys Gly Met Gln Gly Thr Xaa Pro Gly Tyr
            100             105             110

Gln Xaa Gly Asp Pro Arg Arg Thr Gln Met Lys Gln Xaa Xaa Thr Glu
    115             120             125

Xaa
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<210> 7514
<211> 43
<212> PRT
<213> Homo sapiens

<220>
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<220>
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6708

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<400> 7514
Lys Lys Gln Glu Thr Xaa Pro Asn Xaa Ala Lys Asn Ile Arg Ala Gly
 1               5                  10                  15


Xaa Ala Arg Xaa Asn Gly Arg Thr Asp Gly Xaa Asp Gly Asn Gln Pro
            20                  25                  30


Lys Ala Asp Thr Gly Arg Xaa Asp Xaa Lys Ala
            35                  40




<210> 7515
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<220>
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<400> 7515
Ile Gly Lys Thr Xaa Thr Xaa Pro Xaa Lys Pro Leu Thr Ile Phe Glu
 1               5                  10                  15


Xaa Lys Gly Pro Pro Ala Gly Thr Gly Pro Xaa Phe Pro Gly Arg Leu
```

6709

```
                20                25                30
```

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<210> 7516
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (13)
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<400> 7516
Pro Asp Pro His Thr Pro Xaa Gly Glu Lys Xaa Pro Xaa Pro Gln Thr
 1               5               10              15


Ile Arg Gln Glu Ile Thr Gln Gly Tyr Thr Glu Lys Ile Tyr Pro Glu
            20              25              30


Arg Tyr Xaa Thr Pro Thr
        35




<210> 7517
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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6710

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<220>
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<220>
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<400> 7517
Xaa Ala Ala Ser Xaa Glu His Arg Pro Arg Thr Lys Thr Arg Thr Thr
 1               5               10              15

Gly Thr Thr Pro Thr Glu Leu Lys Arg Arg Thr Ser Arg Lys Thr Xaa
            20              25              30

Xaa Thr Glu Thr Xaa Lys
        35




<210> 7518
<211> 26
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<221> SITE
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<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7518
Val Ser Xaa Xaa Xaa Xaa Pro Glu Asp His Xaa Thr Ala Arg Met Leu
 1               5                   10                  15

Met Val Ile Cys Ile Lys Met Asn Asn Phe
              20                  25




<210> 7519
<211> 35
<212> PRT
<213> Homo sapiens


<220>
<221> SITE
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<220>
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<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7519
His Asn Thr Tyr His Arg Glu Asn Arg Xaa Ala Arg Arg Xaa Arg Ser
 1               5                   10                  15
```

6712

```
Gly Xaa Pro Gly Ser Thr His Ala Phe Xaa Pro Asn Met Ala Gly Gln
        20                      25              30

Asp Gly Gly
        35
```

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<210> 7520
<211> 105
<212> PRT
<213> Homo sapiens

<400> 7520
Leu Gly Lys Lys Ala Glu Gln Leu Ser Ser Arg His Ile Pro Ala Gly
 1               5               10              15

Trp Gly Pro His Ser Arg Lys Gly Leu Asp Trp Leu Ser Phe Pro Val
        20                      25              30

Ala Trp Leu Arg Cys Val Asp Gly Glu Ile Gly Ala Arg Gly Arg Thr
        35              40              45

Leu Val Arg Lys Leu Gln Ser Cys Ser Leu Pro Ser Pro Ser Cys Leu
    50              55              60

His Gly Ala Ser Gly Gly Leu Trp Ala Ser Ser Asn Arg Gly Trp Trp
 65              70              75              80

Ala Pro Arg Ala Asn Gly Val Asp Pro Trp Leu Val Arg Ala Lys Ser
            85              90              95

His Arg Leu Leu Leu Gly Lys Gly Phe
            100             105
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<210> 7521
<211> 67
<212> PRT
<213> Homo sapiens

<220>
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<222> (24)
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<220>
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<222> (30)
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7521
Gly Met Ala Asp Leu Leu Glu Ser Ser Cys Pro Phe Thr Glu Ser Gly
 1   5   10   15

Gly Thr Leu Phe His Ser Ser Xaa Thr Gly Arg Cys Leu Xaa Phe Phe
            20   25   30

Phe Leu Ile Ser Leu His Arg Glu Arg Glu Leu Phe Pro Lys Thr His
            35   40   45

Phe Ile Phe Leu Leu Ala Met Xaa Ser Ala Arg Val Lys Lys Phe Leu
     50   55   60

Lys Ser Asn
 65

<210> 7522
<211> 47
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<400> 7522
Xaa Asn Phe Tyr Asp Leu Leu Leu Phe Xaa Lys Xaa Val Pro Leu Xaa
 1               5                  10              15

Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Leu Thr Gly Glu
            20                  25                  30

Gly Met Asp Glu Met Glu Phe Thr Xaa Val Gly Cys Xaa Thr Xaa
            35                  40                  45


<210> 7523
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<400> 7523
Val Xaa Val Leu Asp Arg Glu Arg Pro Pro Xaa Phe Phe Leu Ile Phe
 1               5                   10                  15

Phe Phe Xaa Phe Phe Gly Ile Ile Asn Ile Ser Phe Glu Met His Ile
            20                  25                  30

Xaa Xaa Glu
        35




<210> 7524
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<213> Homo sapiens

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<400> 7524
Leu Leu Cys Leu Arg Asn Ser Lys Arg Phe Val Leu Xaa Ala Ser Arg
 1               5                   10                  15

Arg Ile Gly Thr His Met Gly Leu Asp Val Arg Phe Cys Arg Pro Glu
            20                  25                  30

Pro Ser Gln Gly Ser Trp His Val Phe Leu His Leu Cys Arg Leu Thr
            35                  40                  45

Glu Met Ser
        50




<210> 7525
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Lys Xaa Gly Glu Ile Trp Gly Gly Xaa Pro Leu Lys Gly Gly Lys Lys
  1               5                  10                  15

Phe Gly Glu Leu Pro Gln Xaa Gln Phe Leu Leu Pro Thr Leu Xaa Phe
             20                  25                  30

Xaa Gly Glu Lys Thr Gln Thr Pro Xaa Ile Xaa Gly Gly Xaa Leu Lys
          35                  40                  45

Pro Xaa Pro Pro Arg Xaa Xaa Gln Thr Ser Gly Xaa Val Ser Phe Gly
    50                  55                  60

Lys Pro Asn Phe Xaa Pro Xaa Val Ser Ile Xaa Xaa Leu Gly Asn Phe
 65                  70                  75                  80


<210> 7526
<211> 69
<212> PRT
<213> Homo sapiens
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6718

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<400> 7526
Ser Thr Xaa Val Gly Thr Ala Ala Xaa Leu Pro Gly Pro Thr His Ala
 1               5                  10                  15

Ser Gly Gly Arg Thr Pro Glu Pro Trp Ala Leu Leu Gly Met Pro Leu
            20                  25                  30

Asn Pro Val Ser Phe Thr Asp Ser Leu Gly Leu Ser Ser Leu Asp Ser
            35                  40                  45

Arg Pro Pro Thr Val Thr Val Ser Val Phe Phe Ala Ala Glu Leu Val
        50                  55                  60

His Arg Asp Asp Gly
 65




<210> 7527
<211> 85
<212> PRT
<213> Homo sapiens

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Ile Ile Thr Val Arg Val Arg Asp Arg Arg Gln Ser Leu Ser Thr Leu
 1   5   10   15

Cys Xaa Ser Leu Lys Glu Xaa Gln Leu Gly Ile Gln Glu Trp Lys Asn
            20   25   30

Thr Glu Ser Gln Pro Phe Phe Phe Leu Phe Lys Thr Lys Thr Lys Phe
            35   40   45

Ile Leu Gly Met Val Ser Ser Xaa Leu Glu Cys Xaa Arg Glu Lys Lys
    50   55   60

Arg Xaa Phe Pro Arg His Tyr Leu Lys Ile Asn Ser Phe His Leu Asn
65   70   75   80

Xaa Gly Pro Xaa Trp
                85

<210> 7528
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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6720

<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7528
Gly Leu Gln Glu His Pro Thr Ser Val Leu Leu Asp His Xaa Ala Leu
 1   5   10   15

Asp Cys Asp Pro Xaa Arg Xaa Phe Cys Pro Ala Leu Arg Thr His Ser
            20   25   30

Ala Val Leu Glu Asn Ser Ala His Val Cys Arg
            35   40

<210> 7529
<211> 44
<212> PRT
<213> Homo sapiens

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<400> 7529
Xaa Trp Leu Ser Lys Pro Xaa Cys Cys Glu His Ser Gly Leu Xaa Lys
 1               5               10                  15

Lys Pro Arg Glu Asp Ser Gly Xaa Trp Thr Lys Arg Ala Val Lys His
            20              25                  30

Ser Trp Ala Cys Ala Pro Arg Xaa Pro Xaa Leu Gly
        35              40



<210> 7530
<211> 18
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<220>
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<222> (14)
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<221> SITE
<222> (17)
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<400> 7530
Gly Trp Leu Lys Cys Thr Thr Leu Arg Xaa Xaa Asn Gln Xaa Thr Leu
 1               5               10                  15

Xaa Ala



<210> 7531
<211> 36
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6722

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<212> PRT
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<400> 7531
Xaa Leu Gln Ala Leu Asn His His Val Gln Pro Arg Ile Ser Leu Xaa
  1               5                  10                  15

Ser Leu Val Glu Gly Leu Phe Leu Arg Xaa Glu Leu Thr Gln Xaa His
            20                  25                  30

Met Leu Ile Xaa
        35



<210> 7532
<211> 93
<212> PRT
<213> Homo sapiens

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6723

<221> SITE
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<220>
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<400> 7532
Glu Lys Asn Lys Lys Ser Gly Glu Ser Ser Ser Xaa Leu Ser Gln Glu
 1   5   10   15

Gln Lys Ser Val Phe Asp Glu Asp Leu Gln Lys Lys Ile Glu Glu Asn
             20   25   30

Glu Arg Leu His Ile Gln Phe Phe Glu Ala Asp Glu Gln His Lys His
         35   40   45

Val Glu Ala Glu Leu Xaa Ser Arg Leu Val Thr Leu Glu Thr Glu Ala
     50   55   60

Xaa Gln His Gln Ala Val Val Asp Gly Leu Thr Arg Lys Xaa Xaa Glu
 65   70   75   80

Thr Ile Glu Lys Xaa Gln Asn Asp Lys Val Lys Leu Glu
                 85   90

<210> 7533
<211> 52
<212> PRT
<213> Homo sapiens

<400> 7533

6724

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Lys Ile Tyr Leu Pro Cys Leu Lys Phe Val Gly Leu Leu Ile Gln Cys
 1               5               10              15

Gly Leu Met Phe Leu Leu Ser Leu Thr Ala Thr Phe Tyr Asn Gln Cys
            20              25              30

Arg Ala Trp Ile Trp His Tyr Glu Val Phe Cys Leu Gly Gly Thr Tyr
            35              40              45

Arg Arg Ala Thr
        50
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<210> 7534
<211> 40
<212> PRT
<213> Homo sapiens

<400> 7534
Tyr Ser Phe Tyr Val Cys Tyr Pro Ser Val Ser Ser Pro His Phe Ser
 1               5               10              15

Phe Leu Gly Leu Lys Gly Phe Phe Ser Thr Leu Tyr Met Cys Val Val
            20              25              30

Ile Phe Gly Phe Cys Tyr Ile Leu
            35              40
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<210> 7535
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<212> PRT
<213> Homo sapiens

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6725

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7535
Xaa Glu Met Tyr Ser Ser Pro Ile Tyr Lys Gln Ile Leu Phe Tyr Leu
 1               5                  10                  15

Lys Xaa Asn Xaa Tyr Arg Thr Ser Pro Xaa Met Ala Thr His Thr Val
            20                  25                  30

Cys Val Ser His
        35




<210> 7536
<211> 54
<212> PRT
<213> Homo sapiens

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<400> 7536
Pro Thr Asn Ala Lys Thr Lys Leu Phe Phe Leu Tyr Leu Phe Xaa Ile
 1               5                  10                  15

Lys Xaa Asn Glu Lys Asp Pro Phe Gln Lys Gly Asp Pro Glu Asn Lys
            20                  25                  30

Thr Asn Thr Pro Val Phe Cys His Cys Phe Ser Gln Leu Ser Tyr Leu
            35                  40                  45

Lys Thr Val Ile Pro Lys
        50




<210> 7537
<211> 45
<212> PRT
<213> Homo sapiens
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<400> 7537
Gly Gly Arg Val Gln Asp Leu Val Val Tyr Lys Ile Gly Phe Leu Ile
 1               5                  10                  15

His Leu Glu Asn Phe Tyr Phe Gly Ile Thr Asp Glu Met Ile Arg Phe
            20                  25                  30

Val Tyr Asp Glu Gly Val Ile Cys Gly His Lys Phe Lys
        35                  40                  45


<210> 7538
<211> 76
<212> PRT
<213> Homo sapiens

<400> 7538
Ile His Arg Ala Ser Thr Trp Val Val Ser Val Pro His Arg Gln Arg
 1               5                  10                  15

Ser Val Pro Leu His Phe Ser Ile Tyr Ser Ser Ser Lys Ile Val Ser
            20                  25                  30

Phe Glu Ile Phe Phe Asn Cys Ile Ile Gly Arg Leu Ile Asn Lys Pro
            35                  40                  45

Glu Arg Arg Lys Asn Asn Glu Val Gly Arg Ala Ser Cys Ser Ala Ser
        50                  55                  60

Gly Leu Tyr Ser Lys Ala Ile Leu Asp Cys Gly Cys
65                  70                  75


<210> 7539
<211> 34
<212> PRT
<213> Homo sapiens

<220>
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<400> 7539
Pro Pro Glu Asn Thr Thr Ile Phe Gln Ala Gly Thr Pro Xaa Gly Thr
 1               5                  10                  15


Gly Pro Glu Phe Pro Gly Arg Pro Ile Xaa Xaa Leu Xaa Lys Lys Lys
            20                  25                  30


Lys Xaa




<210> 7540
<211> 90
<212> PRT
<213> Homo sapiens

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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7540
Lys Thr Phe Gly Asp His Asp Lys Phe Trp Ile Lys Thr Phe Cys Tyr
 1               5                  10                  15

Phe Ala Cys Lys Leu Xaa Tyr Xaa Xaa Pro Asp Trp Pro Xaa Xaa Gly
            20              25                  30

Thr Xaa Ile Asn Thr Cys Pro Phe Xaa Gly Phe His Thr Ile Thr Thr
        35              40                  45

Ser Thr Arg Asn Ser Arg Trp Pro Lys Leu Lys Val Lys Ile Leu Lys
    50              55                  60

His Ile Gly Phe Ser His Ala Met Cys Trp Val Gln Thr Met Leu Val
65              70                  75                  80

Asn Xaa Xaa Xaa Pro Met Val Met Thr Asp
            85                  90
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6729

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<210> 7541
<211> 116
<212> PRT
<213> Homo sapiens

<400> 7541
Met Val Gly Ile Gly Thr Ser Asp Val Asp Leu Asp Lys Tyr Arg His
 1               5                  10                  15

Thr Phe Cys Ser Leu Leu Gly Arg Asp Glu Asp Ser Trp Gly Leu Ser
            20                  25                  30

Tyr Thr Gly Leu Leu His His Lys Gly Asp Lys Thr Ser Phe Ser Ser
            35                  40                  45

Arg Phe Gly Gln Gly Ser Ile Ile Gly Val His Leu Asp Thr Trp His
     50                  55                  60

Gly Thr Leu Thr Phe Phe Lys Asn Arg Lys Cys Ile Gly Val Ala Ala
 65                  70                  75                  80

Thr Lys Leu Arg Gly Arg Glu Pro Gly Trp Ser Pro Arg Cys Cys Ser
                85                  90                  95

His Arg Ala Ser Val Phe Pro Asn Leu Leu Cys Met Leu Ser Ala Ala
            100                 105                 110

Ala Pro Pro Ser
         115



<210> 7542
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<222> (11)
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6730

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 7542
Lys Arg Met Lys Asp Lys Val Val Ala Leu Xaa Gln Asp Pro Leu Val
  1   5   10   15

Val Thr Xaa Thr Ala Cys Pro Gly Arg Leu Xaa Xaa Thr Glu Cys Leu
            20   25   30

Asp Ile Ile Leu Leu Met
            35

<210> 7543
<211> 90
<212> PRT
<213> Homo sapiens

<220>
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<222> (80)
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<400> 7543
His Thr Leu Cys Val Val Leu Gly Lys Leu His Ser Leu Ser Gln Pro
  1   5   10   15

Leu Ser Phe Thr Phe Pro Leu Cys Glu Ile Ser Arg Phe Leu Thr Tyr
            20   25   30

Leu Tyr Tyr Gly Phe Leu Leu Lys Tyr Asp Glu Ser Cys Arg Leu Ser
            35   40   45

Ile Pro Lys Lys Lys Lys Asn Glu Gln Ile Cys Ile His Lys Arg Phe
        50   55   60

Tyr Lys Ser Ile Ser Gly Gly His Glu Pro Thr Pro Asp Thr His Xaa
65   70   75   80

Thr Pro Trp Asp Leu Leu Ser Phe Gln Val
                85   90

<210> 7544

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<211> 98
<212> PRT
<213> Homo sapiens

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<400> 7544
Pro Gly Cys Leu Phe Leu Gln Arg Trp Phe Trp Leu Val Arg Val Leu
  1               5               10              15

Leu Ser Leu Phe Ile Gly Ala Glu Ile Val Gly Glu Cys Val Val Gln
            20              25              30

Pro Met Gly Arg Gly Arg Gly Glu Glu Gly Gly Gly Gln Arg Ala Pro
            35              40              45

Gly Thr Ile Gly Asn Trp Gly Trp Phe Ser Ala Pro Ser Ser His Ser
        50              55              60

Xaa Ala Pro Ser Arg Ala His Phe Leu Ala Leu Thr Met Gln Pro His
 65              70              75              80

Trp Thr Ser Lys Xaa Pro Ser Xaa Leu Gln Cys Pro Thr Phe His Thr
                85              90              95

Thr Xaa


<210> 7545
<211> 15
<212> PRT
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<213> Homo sapiens

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<221> SITE
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<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7545
Ser Xaa Pro Ser His His Met Arg Leu Phe Gly Leu Leu Xaa Ala
 1               5                  10                  15
```

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<210> 7546
<211> 67
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
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<220>
<221> SITE
<222> (62)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7546
Val Gly Cys Ser Asp Asp Phe Gly Phe Leu Ser Lys Asn Asp Gly Ser
 1               5                  10                  15

His Thr Val Ile Pro Ala Pro Asn Cys Cys Thr Glu Lys Arg Val Asn
                 20                  25                  30

Ala Ala Arg Val Gly Gly Arg Trp Ala Val Ser Trp Gly Val Met Val
```

6733

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        35                    40                    45
Ile Thr Tyr Ala Arg Asp Gln Gly Cys Gly Arg Glu Xaa Xaa Phe Ser
    50                    55                    60

Xaa Xaa Gly
 65



<210> 7547
<211> 33
<212> PRT
<213> Homo sapiens

<400> 7547
Leu Asn Leu Ala Arg Asn Lys Asp Leu Ile Ser Val Phe Lys Tyr Ile
 1               5                   10                  15

Tyr Met Ala Leu Trp Ser Gly Phe Trp Thr Ser Lys Ala Ala Tyr Leu
               20                  25                  30

Ala



<210> 7548
<211> 19
<212> PRT
<213> Homo sapiens

<220>
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<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7548
Phe Cys Thr Leu Ser Thr Thr Gln Ala Gln Ala Gln Gly Arg Thr Xaa
 1               5                   10                  15
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6734

Asp Xaa Xaa

<210> 7549
<211> 103
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7549
Phe Ala Ile Tyr Asn Ser Ser Gly Glu Xaa Ile Asn Asn Ile Lys Tyr
 1   5   10   15

Tyr Asp Gly Phe Met Gly Gln Arg Val Gly Ala Ile Ser Cys Leu Ala
            20   25   30

Phe His Pro His Trp Pro His Leu Ala Val Gly Ser Asn Asp Tyr Tyr
        35   40   45

Ile Ser Val Tyr Ser Val Glu Lys Pro Cys Gln Ile Ser Gly Val Thr
    50   55   60

Pro Gly Pro Pro Gly His Gly Arg Leu Leu Tyr Ile Val Lys Leu Ser
65   70   75   80

Leu Xaa Gly Ala Arg Xaa Val Gly Cys Cys Gly Pro Ala Val Xaa Thr
            85   90   95

Val Gly Cys Cys Leu Ser Cys
            100

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<210> 7550
<211> 28
<212> PRT
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<400> 7550
Phe Arg Gly Xaa Glu Pro Gly Arg Gln Ser Ser Gly Xaa Asp Leu Ser
 1               5                   10                  15

Xaa Ile Leu His Gly Cys Gln Val Arg Val Xaa Pro
            20                  25
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<210> 7551
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6736

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<400> 7551
Ala Xaa Xaa Pro Ala Cys Pro Ser Ser Met Trp Pro Pro Trp Thr Phe
 1               5                   10                  15

Cys Ile Gln Ser Leu Xaa Cys Pro
            20



<210> 7552
<211> 40
<212> PRT
<213> Homo sapiens

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<400> 7552
Xaa Leu Gln Xaa Asn Leu Ala Thr Ile Trp Lys Ala Gly Arg Leu Gln
 1               5                   10                  15

Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Xaa Gly Arg Val
            20                  25                  30

Gly Tyr Phe Leu Asn Lys Pro Xaa
            35                  40
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<210> 7553
<211> 48
<212> PRT
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<400> 7553
Phe Ile Tyr Leu Tyr Ala Ser Arg Phe Tyr Ser Leu Leu Tyr Ile Cys
 1               5                  10                  15

Tyr Ser Ser Lys Lys Lys Arg Lys Lys Asn Pro Phe Phe Leu Gln Arg
            20                  25                  30

Tyr Xaa Leu Leu Tyr Leu Xaa Ile Thr Asn Leu Asn Met Xaa Thr Glu
            35                  40                  45
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<210> 7554
<211> 17
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<213> Homo sapiens

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6738

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<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7554
Ala His Ala Ser Gly Arg Val Xaa Gly Ile Lys Gly Xaa Ile Xaa Leu
 1               5                  10                 15

Xaa




<210> 7555
<211> 47
<212> PRT
<213> Homo sapiens

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6739

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<400> 7555
Pro Gly Phe Xaa Gly Gly Xaa Phe Ser Xaa Xaa His Phe Gln Lys Pro
 1               5                  10                  15

Arg Leu Gly Leu Leu Gly Asn Arg Gly Lys Asn Pro Leu Gly Gln Ala
            20                  25                  30

Phe Arg Phe Ser Leu Ala Asn Xaa Pro Arg Gly Xaa Xaa Ala Pro
        35                  40                  45


<210> 7556
<211> 19
<212> PRT
<213> Homo sapiens

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<220>
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<222> (13)
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<400> 7556
Ala Phe Pro Lys Gly Xaa Ser Arg Ser Cys Arg Xaa Xaa Arg Leu Thr
 1               5                  10                  15

Arg Pro Leu


<210> 7557
<211> 68
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6740

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<212> PRT
<213> Homo sapiens

<220>
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<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7557
Val Leu Pro Ser Tyr Leu Gln Val Leu Thr Leu Pro Gly Xaa Leu Pro
 1           5                   10                  15

Asn Met Thr Leu Asp Thr Val Ser Leu Arg Leu Leu Gly Tyr Gln Asp
            20                  25                  30

Gln Asn Gln Glu Gly Lys Arg Ile Lys Ile Tyr Arg Val Ser Phe Arg
            35                  40                  45

Val Leu Ala Trp Ser Phe His Tyr Gln Leu Cys Lys Ile Gly Ile Ile
        50                  55                  60

Asp Pro Ile Leu
 65


<210> 7558
<211> 59
<212> PRT
<213> Homo sapiens

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6741

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<220>
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<222> (49)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7558
Thr Met Thr Trp Ser Arg Gln Ser Xaa Leu Trp Leu Gly Thr Leu Xaa
 1               5                  10                  15


Pro Thr Ile Asn Asn Xaa Trp Leu Lys Xaa Phe Pro Val Thr Val His
            20                  25                  30


Phe Gln Val Gly Lys Cys Xaa Val Leu Xaa Xaa Phe Phe Phe Ser Asn
        35                  40                  45


Xaa Lys Arg Thr Ile Xaa Leu Lys Lys Lys Lys
    50                  55




<210> 7559
<211> 91
<212> PRT
<213> Homo sapiens

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<400> 7559
Gly Ser Ala Leu Gly Phe Gln Ser Leu Ser Ala Val Ala Val Pro Phe
 1               5                  10                  15

Ala Gly Thr Ala Gly Ser Pro Gly Pro Leu Arg Ser Thr Arg Ser Cys
            20              25              30

Tyr Ala Tyr Arg Gly Arg Ile Cys Arg Ala Ser Pro Arg Val Glu Gly
        35                  40                  45

Pro Leu Gln Val Phe Thr Ala Cys Pro Arg Ser Lys Gly Ser Ser Ala
    50              55              60

Arg Xaa Arg Xaa Met Ala Leu Gly Gln Arg Phe Leu Xaa Met Gly Asn
 65             70                  75                  80

Trp Xaa Phe Gly Pro Trp Ala Arg Ala Gly Gly
            85                  90
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<210> 7560
<211> 53
<212> PRT
<213> Homo sapiens

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<220>
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<221> SITE
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<220>
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<220>
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<400> 7560
Gly Gln Thr Leu Xaa Lys Val Xaa Arg Val Pro Lys Xaa Xaa Trp Glu
  1               5                  10                  15


Phe Phe Gln Gly Gly Arg Pro Leu Thr Pro Trp Glu Lys Lys Lys Asn
             20              25                  30


Leu Gly Lys Thr Thr Arg Glu Pro Thr Xaa Gly Gly Leu Xaa Phe Asn
         35              40                  45


Arg Gly Arg Arg Gly
     50




<210> 7561
<211> 40
<212> PRT
<213> Homo sapiens


<220>
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<220>
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<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
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6744

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<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7561
His Thr His Phe Ile Asn Gly His Xaa His Phe Asp Lys Gly Gly Lys
 1               5               10              15


Lys Phe Asn Ser Xaa Phe Xaa Lys Val Gln Gly Leu Gly Leu His Ser
            20              25              30


Glu Ser Leu Pro Xaa Ala Pro Thr
            35              40




<210> 7562
<211> 57
<212> PRT
<213> Homo sapiens

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<220>
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6745

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<400> 7562
Asp Xaa Lys Ser Ser Arg Xaa Xaa Xaa Ala Gly Phe Leu Gln Gly Tyr
 1               5                   10                  15

Ser Val Phe Asp Glu Thr Gln Leu Gly Met Thr Tyr Ser Pro Ser Pro
            20                  25                  30

His Ser Tyr Leu Ser Phe Ile Lys Asn Phe Ile Val Thr Val Ser Met
            35                  40                  45

Leu Pro Ser Xaa Xaa Xaa Asn Pro Xaa
      50                  55



<210> 7563
<211> 105
<212> PRT
<213> Homo sapiens

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<400> 7563
Arg Lys Thr Cys Thr Ile Xaa Ser Gly Lys Val Leu Leu Gly Val Pro
  1               5                   10                  15

Val Arg Asn Ser Xaa Val Asp Pro Arg Val Arg Leu Arg Val Arg Ala
                20                  25                  30

Ala Ala Glu Ala Met Gly Leu Xaa Xaa Gly Arg Ser Cys Pro Glu Pro
```

6747

```
              35                    40                    45

'Ala Thr Ala Leu Xaa Gln Xaa Ala Ser Phe Ser Xaa Leu Pro Ser Pro
        50                    55                    60


 Arg Leu Pro Arg Xaa Gly Tyr Pro Gln Pro Gln Pro Gly Ala Gly Glu
 65                    70                    75                    80


 Xaa Ala Xaa Gly Glu Gly Arg Asn Gln Gly Met Ser Ala Gly Arg Ala
               85                    90                    95


 Leu Gly Ala Leu Ser Xaa Thr Xaa Asp
              100                   105
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<210> 7564
<211> 43
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

6748

<400> 7564
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Xaa Xaa Arg Pro Gly Pro Ser Pro Leu Pro His Arg Asp Arg Asp Arg
 1               5                   10                  15

Asp Arg Glu Arg Glu Arg Xaa Glu Arg Ser Arg Glu Arg Asp Lys Glu
            20                  25                  30

Arg Glu Arg Xaa Xaa Ser Arg Ser Arg Xaa Arg
            35                  40
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<210> 7565
<211> 45
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<400> 7565
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Trp Ile Thr Val Ala Gly Cys Asn Phe Tyr Gln Phe Leu Xaa Leu Leu
 1               5                   10                  15

Ser Gln Asn Pro Phe Ser Gly Lys Gly Asp Pro Ile Asn Phe Lys Asn
            20                  25                  30

Leu Thr Leu Lys His Xaa Leu Ala Met Gly Ala Trp Xaa
            35                  40                  45
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<210> 7566
<211> 38
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7566
Xaa Ser Xaa Arg Ser Met Lys Ala Xaa Thr Pro Cys Arg Val Pro Val
 1               5                  10                  15


Arg Asn Ser Arg Val Asp Pro Arg Val Arg Glu Xaa Cys Gly Asn Leu
            20                  25                  30


Pro Ser Gln Arg Pro Gly
            35




<210> 7567
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

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<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7567
Asp Leu Val Trp Lys Pro Pro Leu Ser Xaa Gly Xaa Xaa Xaa Lys Leu
 1               5                   10                  15

Xaa Asn




<210> 7568
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7568
Ile Cys Arg Ser Ile Ser Trp Lys Pro Gln Phe Phe Ile Pro Xaa Lys
 1               5                  10                  15

Lys Ala Val Phe Arg Trp Glu Arg Lys His Leu Arg Leu Leu Thr Phe
             20                  25                  30

Gly Phe Xaa Arg Lys Ser Ser Gln Trp Cys Ser Asn Ile Thr Arg Asp
         35                  40                  45

Xaa Leu Xaa Xaa Xaa Ile Gly Xaa Leu Lys Xaa Glu Gly Ser Pro Xaa
     50                  55                  60

Gln Thr Pro Ser Ser Gly Gln Xaa Xaa Ser Ser Pro Xaa Gln Ala Lys
65                  70                  75                  80

Cys Lys Lys Ile Gln Leu Gly Lys His Asn
                 85                  90
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6752

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<210> 7569
<211> 66
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>
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<220>
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<220>
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<222> (51)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (62)
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<220>
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6753

<400> 7569
Xaa Arg Arg Leu Xaa Val Asp Pro Leu Glu Xaa Thr Xaa Ser Trp Tyr
 1   5   10   15

Ala Cys Arg Tyr Arg Ser Gly Ile Pro Gly Ser Thr His Ala Ser Gly
                20   25   30

Phe Phe Arg Tyr Ser Ser Phe Ile Leu His Gln Asn Leu Ile Ser Cys
            35   40   45

Asn Val Xaa Xaa Trp Pro Arg Ala Xaa Pro Ser Glu Asp Xaa Xaa Glu
    50   55   60

Lys His
 65

<210> 7570
<211> 75
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (20)
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<220>
<221> SITE

6754

<222> (54)
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7570
Xaa Xaa Ile Xaa Leu Cys His Leu Tyr Leu His Leu Pro Pro Phe Thr
 1   5   10   15

Leu Thr Asn Xaa Phe Leu Ser Cys Ala Tyr Met Tyr Ser Leu Phe Pro
            20   25   30

Asn Thr Gly Ile Ile Thr Ser Asn Asn Tyr Ser Ile Leu Ser Leu Ser
            35   40   45

Phe Xaa Asp Phe Pro Xaa Trp Gly Glu Glu Asp Tyr Xaa Leu Tyr Lys
        50   55   60

Asn Xaa Asn Lys Ile Phe Gln Thr Cys Arg Ile
65   70   75

<210> 7571
<211> 69
<212> PRT
<213> Homo sapiens

<400> 7571
Asn Arg Tyr Asn Phe Lys Ala Thr Asn Leu Thr Thr Arg Ser Ser Ala
 1   5   10   15

Gly Glu Gly Gln Gly Gly Gln Asn Arg Gly Val Trp Leu Gly Val Gly
            20   25   30

Gly Val Lys Ser Leu His Pro Ser Ser Ile His Tyr Thr Asn Ile Leu
            35   40   45

Met Arg Tyr Val Phe Ile Lys Cys Leu Gln Met Phe Ile Thr Phe Gly
        50   55   60

Ser Glu Phe Tyr Ile
65

<210> 7572
<211> 99
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7572
Gln Leu His Leu Leu Leu Gly Lys Leu Xaa Arg Leu Gln Val Pro Val
 1   5   10   15

Arg Asn Ser Arg Val Asp Pro Arg Phe Xaa Gln Arg Gly Glu Pro Val
             20   25   30

Gly Asn Xaa Asn Ile Leu Leu Tyr Ile Tyr Ile Tyr Ile Phe Val Gln
         35   40   45

Thr Asn Arg Thr Cys Arg Trp Gly Ser Arg Pro Trp Cys Tyr Leu Lys
     50   55   60

Lys Lys Arg Leu Cys Val Gln Met Asn Asp Lys Leu Ser Ala Ser Pro
65   70   75   80

Ser Ala Pro Leu Gln Ala Pro Ala Gly Gly Pro Val Ser Lys Leu Met
                 85   90   95

Gln Ser Val

<210> 7573
<211> 59
<212> PRT
<213> Homo sapiens

6756

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<220>
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<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7573
Gly His Cys Ser Gly His Pro Gly Ala Gly Ser Leu Val Glu Val Arg
 1               5                10                15

Arg Val Asn Leu Val Lys Gly Arg Glu Asp Ser Ser Leu Arg Val Ser
             20              25                30

Arg Pro Cys Leu Leu Gly Val His Phe Gly Ser Leu Ala His Pro Gly
         35              40                45

Arg Thr Arg Xaa Trp Leu Lys Ala Pro Pro Xaa
     50              55
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<210> 7574
<211> 30
<212> PRT
<213> Homo sapiens

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7574
Ala Xaa Lys Cys Thr Xaa Ala Met Gly Gly Phe Ser Ala Lys Xaa Arg
 1                   5                  10                  15

Met Ile Xaa Asn Ser Leu Asn Leu Lys Ala Leu Thr Gln Xaa
              20                  25                  30




<210> 7575
<211> 47
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7575
Gly Cys Pro Leu Pro Cys Gly Pro Ser Pro Gly Asp Xaa Pro Val Lys
 1                   5                  10                  15

Xaa Ser Ala Val Thr Tyr Xaa Gly Pro Ser Pro Gln Gln Gln Ile Leu
              20                  25                  30

Leu Leu Ala Leu Asp Leu Arg Val Xaa Leu Tyr Pro Ala Ser Arg
              35                  40                  45
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6758

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<210> 7576
<211> 83
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (57)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7576
His Xaa Pro Ser Gly Ser Gln Thr Ile Arg Asn Lys Arg Lys Asn Phe
 1               5                  10                  15

Leu Pro Leu Ser Pro Arg Gly Tyr Gly Lys Leu Leu Xaa Val His Arg
             20                  25                  30

Met Gly Ala Gly Val Ile Leu Ser Xaa Phe Pro Ser Ser Xaa His Ile
             35                  40                  45

Leu Asp His Leu Asn Ile Pro Trp Xaa Gly Ser Lys Gly Lys Ser Gly
         50                  55                  60

Ile Gly Pro Arg Arg Lys Gln Pro Arg Thr Leu Ser Cys Asn Lys Gln
 65                  70                  75                  80

Asp Pro Asp
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6759

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<210> 7577
<211> 44
<212> PRT
<213> Homo sapiens

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<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7577
Arg Arg His Arg Pro Asn Gln Gly Glu Xaa Arg Xaa Thr Arg Lys Gln
 1               5                  10                  15


Glu Lys Thr Lys Ser Glu Gly Asp Arg Asp Lys His Gly Xaa Lys Xaa
             20                  25                  30


Met Asp Met Ser Ile Pro Leu Thr Gly Glu Glu Xaa
         35                  40



<210> 7578
<211> 34
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids
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6760

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<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7578
Xaa Leu Gly Lys Lys Pro Arg Glu Ala Thr Asn Glu Val Trp Xaa Pro
  1               5                  10                  15

Leu Xaa Xaa Trp Pro Pro Gly Xaa Pro Gly Asn Lys Ala Asn Ala Gly
              20                  25                  30

Ala Met



<210> 7579
<211> 62
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> (53)
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6761

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7579
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Val Lys Ser Ser Leu Asp Thr Leu Met Asp Thr Leu Gly Arg Ala Cys
 1               5               10               15

Pro Lys Leu Leu Xaa Ser Leu Ile Leu Ser Glu Ala Thr Thr Gln Xaa
                20              25               30

Ser Gly Lys Val Gln Lys Ala Gly Ile Phe Tyr Leu Ser Phe Leu Lys
                35              40               45

Gly Phe Lys Phe Xaa Thr Phe Leu Asn Lys Gly Tyr Lys Gly
        50              55               60
```

<210> 7580
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7580
```
Gly His Ser Pro Leu Glu Ala Gly Lys Ala Pro His Gln Ala Leu Gln
 1               5               10               15

Phe Leu Thr Gln Glu Val Ala Asp Ser Ser Ala Ser Gly Leu Pro Val
                20              25               30

Pro Ala His Glu Ala Leu Gly Gly Glu Trp Arg Leu Ser Leu Phe Leu
                35              40               45

Leu Ala Leu Glu Ala
        50
```

<210> 7581
<211> 104
<212> PRT
<213> Homo sapiens

<220>
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<222> (71)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

6762

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<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7581
Gly Lys Ala Val Ile Ser Arg Ser Asn Val Ala Trp Gly Arg Glu Ser
 1               5                   10                  15

Pro Val Ser Cys Ile Arg Ser Leu Lys Asn Asn Val Glu Asp Leu Asp
             20                  25                  30

Ser Ser Pro Val Phe Ala Val Pro Cys Pro Gly Val Gly Pro Ala Leu
         35                  40                  45

Phe Met Val Pro Arg Arg Leu Pro Gln Glu Gly Leu Trp Thr Glu Gly
     50                  55                  60

Arg Ser Ile Ser Ser Leu Xaa Leu Phe Leu Ser Lys Lys Pro Gly Leu
65                  70                  75                  80

Thr Ser Ile Leu Pro Leu Xaa Ser Gln Glu Glu Cys Pro Asp Pro Leu
             85                  90                  95

Xaa Leu Xaa His Pro Phe Met Gly
            100
```

```
<210> 7582
<211> 62
<212> PRT
<213> Homo sapiens

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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

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<222> (4)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6763

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<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7582
Xaa Lys Ser Xaa Leu Xaa Phe Gly Gly Lys Lys Lys Ala Pro Gly Phe
 1               5                  10             15


Asn Arg Pro Leu Gly Gln Gly Gly Xaa Pro Arg Gly Phe Pro Gly Glu
            20                  25              30


Asn Phe Pro Pro Gly Val Ser Gly Thr Pro Asn Gly Pro Phe Pro Ala
        35              40              45


Phe Pro Ala Gly Ile Thr Lys Phe Lys Gly Asn Gly Ala Trp
    50              55              60
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<210> 7583
<211> 80
<212> PRT
<213> Homo sapiens


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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (70)
<223> Xaa equals any of the naturally occurring L-amino acids


<400> 7583
Xaa Ser Gln Ala Xaa Gly Tyr Leu Glu Glu Glu Gly Pro Trp Val Thr
```

6764

```
     1                    5                     10                      15

Cys Arg Ala Gly Ser Gly Leu Ala Ala Pro Arg Ala Ala His Leu Gly
          20                      25                      30

Trp Gly Thr Ala Arg Val Ser Arg Thr Trp Arg Ala Val Val Pro Val
          35                      40                      45

Val Arg Val Arg Ile Glu Gly Leu Gly Gly Ser Arg Gly Glu Pro Ala
          50                      55                      60

Leu Ser Pro Ala Xaa Xaa Thr Pro Asp His Gly Gly Leu Gly Pro Gly
 65                      70                      75                      80
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<210> 7584
<211> 87
<212> PRT
<213> Homo sapiens

<220>
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<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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6765

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<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7584
Xaa Xaa Ile Leu Ala Ser Ala Cys Gly Ala Gly Gly Thr Arg Phe Pro
 1               5               10                  15


Pro Pro Arg Gly Ser Ala Ser Gly Leu Val Leu Ser Pro Ala Ala Pro
            20              25                  30


Cys Arg Arg Ser His Arg Ser Ser Tyr Arg Arg Glu Trp Arg Ala Asp
            35              40                  45


Gln Gly Ala Ala Gly Leu Pro Ser Xaa Ile His Val Ser Leu Arg Xaa
        50              55                  60


Arg Gly Pro Xaa Glu Pro Ala Xaa Met Pro Leu Gly Leu Lys Pro Thr
 65              70              75                  80


Cys Ser Arg Met Gln Asp His
                85




<210> 7585
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6766

<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7585
Thr Phe Gln Val Phe Leu Asn Leu Ser Met Leu Ser Leu Asn Leu Leu
 1   5   10   15

Gln Gly Phe Tyr Asn Cys Arg His Val Ser Xaa Tyr Arg Arg Glu Ala
                20   25   30

Val Phe Xaa Ser Cys Ile Phe Leu Xaa Phe Gln Lys Leu Gln Met Xaa
        35   40   45

Ile Ile Ser Phe Lys His Cys Leu Asn Ser Asn Trp Lys Ile Thr Ala
        50   55   60

Val Ser Pro Thr Xaa Ala Phe Pro Leu Leu Gln Glu Glu Asn Asp Tyr
65   70   75   80

<210> 7586
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7586
Gly Phe Glu Leu Xaa Pro Cys Leu Leu Val Gly Trp Pro Arg Ile Lys
 1   5   10   15

Gly Xaa Xaa Trp Pro Phe Lys
                20

6767

```
<210> 7587
<211> 104
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (69)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<222> (96)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7587
Gly Ser Arg Ala Pro Cys Ser Pro Arg Val Leu Pro Trp Val Ser Pro
 1               5                  10                  15

Cys Gln Val Phe Arg Glu Cys Pro Pro Thr Pro Ala Pro Phe Cys Val
            20                  25                  30

Ala Pro Ala Thr Ser Val Leu Trp Asp Thr Gly Leu Ser Pro Ser Ser
            35                  40                  45

Arg Val Leu Val Cys Leu Ser Val Pro Trp Thr Cys Pro Gln Gly Pro
    50                  55                  60

Arg Leu Trp Leu Xaa Xaa Pro Xaa Arg Leu Ala Ala Glu Thr Pro Cys
```

6768

```
       65                  70                  75                  80
Ala Arg Pro Ala Xaa Gly Ser Phe Lys Glu Cys Val Gly Asn Cys Xaa
                     85                  90                  95

Thr Cys Ile Xaa Gly Thr Gly Arg
                100
```

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<210> 7588
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<220>
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<220>
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6769

<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

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<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
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<220>
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<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7588
Xaa Leu Arg Ile Lys Gly Ser Gly Val Arg Trp Ile Xaa Ala Ile Met
 1   5   10   15

Leu Xaa Lys Xaa Xaa Leu Xaa Xaa Leu Ala Xaa Lys Ser Thr Gly His
            20   25   30

Phe Ile Gly Thr Phe Xaa Glu Xaa Met Ile Val Cys Glu Ile Leu Thr
            35   40   45

His Pro His Xaa Gln Asn Xaa Xaa Cys Pro Trp Ile Xaa Cys Thr Gly
     50   55   60

6770

Xaa
65

<210> 7589
<211> 53
<212> PRT
<213> Homo sapiens

<400> 7589
Leu Leu Ile Gly Arg Phe Ser Phe Tyr Ser Ser Thr Glu Lys Lys Ile
 1   5   10   15

Ile Val Ile Ile Ile Arg Gln Cys Ser Val Val Leu Gln Ser Ile Ile
                20   25   30

Val Ser Val Leu Phe Cys Phe Leu Arg Cys Leu Glu Asn Gly Glu Cys
            35   40   45

Val Thr Val Ser Asn
        50

<210> 7590
<211> 63
<212> PRT
<213> Homo sapiens

<400> 7590
Asn Val Leu Val Leu Phe Leu Ser Leu Asp Phe Met Tyr Phe Glu Pro
 1   5   10   15

Gln Ile Leu Ser Ser Ser Asp Leu Lys Ile Leu Ser Tyr Thr Gln Ser
                20   25   30

Pro Leu Thr Phe Leu Trp Asp Cys Leu Ile Tyr Glu Lys Ser Leu Glu
            35   40   45

Lys Ser Leu Ile Glu Thr Phe Arg Phe Arg Asn Thr Cys Thr Ile
        50   55   60

<210> 7591
<211> 174
<212> PRT
<213> Homo sapiens

6771

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<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (119)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (160)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (161)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (169)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7591
Ala Xaa Arg Gln Leu Leu Val Asp Ser Val Thr Asp Ser Val Leu Gly
 1               5                  10                  15

Pro Asn Gly Asp Val Thr Gly Thr Pro His Thr Ser Pro Asp Gly Arg
            20                  25                  30

Phe Ile Val Ser Ala Ala Ala Asp Ser Pro Trp Leu His Val Gln Glu
            35                  40                  45

Ile Thr Val Arg Gly Glu Ile Gln Thr Leu Tyr Asp Leu Gln Ile Asn
        50                  55                  60

Ser Gly Ile Ser Asp Leu Ala Phe Gln Arg Ser Phe Thr Glu Ser Asn
65                  70                  75                  80

Gln Tyr Asn Ile Tyr Ala Ala Leu His Thr Glu Pro Asp Leu Leu Phe
                85                  90                  95

Leu Glu Leu Ser Thr Gly Lys Val Gly Met Leu Lys Asn Leu Lys Glu
            100                 105                 110
```

```
Pro Pro Ala Gly Pro Ala Xaa Pro Trp Gly Gly Thr His Arg Ile Met
        115         120             125

Arg Asp Ser Gly Leu Phe Gly Gln Tyr Leu Leu His Gln Pro Glu Ser
        130         135             140

His Cys Ser Ser Ser Met Gly Asp Lys Asn Thr Leu Arg Cys Glu Xaa
145             150             155             160

Xaa Arg Tyr Lys Gly Gly Gly Pro Xaa Trp Cys Trp Xaa Gly
                165             170
```

<210> 7592
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7592
```
Gly Glu Asp Asp Glu Glu Asp Thr Gly Val Cys Xaa Leu Xaa Pro Phe
  1           5               10              15

Asp Leu Xaa Tyr Xaa Asp
            20
```

<210> 7593
<211> 60

6773

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<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7593
Ile Leu His Phe Phe Leu Leu Gly Asn Ile Ile Cys Gly Arg Arg Gln
 1               5                   10                  15

Pro His Phe Ile Cys Pro Tyr Ser Cys Gly Ser Ser Ile Cys Phe Leu
                20                  25                  30

Pro Glu Cys Ser Leu Gly Leu Leu Lys Xaa His Glu Ser Asn Leu Glu
            35                  40                  45

Val Ser Leu Ser Asn Lys Ala Val Phe Leu Pro Phe
    50                  55                  60




<210> 7594
<211> 17
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (2)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7594
Xaa Xaa Leu Glu Ala Asn Pro Glu Gly Arg Xaa Glu Asn Ser Trp Ile
 1               5                   10                  15

Ser
```

```
<210> 7595
<211> 105
<212> PRT
<213> Homo sapiens

<400> 7595
Lys Ser Tyr Gly Gly Gly Ser Asn Pro Asp Ser Glu Ser Asn Ser Arg
 1               5                  10                  15

Cys Trp Asn Trp Ala Gly Pro Val Ser Ser Leu Ala Leu Asn Phe Asn
            20                  25                  30

Pro Phe Asn Lys Gly Leu Gly Lys Met Ile Ser Glu Val Leu Ser Ile
            35                  40                  45

Ser Val Gln Leu Ser Leu Glu Gly Gln Val Leu Asp Thr Gln Thr Asp
        50                  55                  60

Asp Gly Thr Ala Gln His Gln Ala Gln Pro Leu Val Gly Ser Val Cys
65                  70                  75                  80

Ala Ala Ala Leu Val Leu Asn Asn Asn Asn Thr Met Val Pro Leu Thr
                85                  90                  95

Glu Ile Tyr Gly Ala Leu Phe Arg Pro
                100                 105


<210> 7596
<211> 35
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (7)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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6775

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<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7596
Thr Asn Tyr Arg Ala Leu Xaa Ser Val Xaa Ala Xaa Ser Tyr Gly Ser
 1               5                  10                  15


Pro Asp Gly Gln Gln Arg Arg Ser Ala Ser Met Arg Xaa Leu Gly Ala
            20                  25                  30


Leu Val Pro
        35




<210> 7597
<211> 30
<212> PRT
<213> Homo sapiens


<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids


<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7597
Cys Phe Thr Tyr Ser Gln Asn Cys Xaa Asp Lys His Thr Xaa Ile Ile
 1               5                  10                  15


Val Ala Thr Pro Trp Glu Ile Ala Gly Xaa Ile Leu Leu Arg
            20                  25                  30




<210> 7598
<211> 131
<212> PRT
<213> Homo sapiens


<220>
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<221> SITE
<222> (100)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (114)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (121)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7598
Pro Arg Trp Cys Cys Leu Ala Pro Gly Arg Ile Pro Val Leu Ala Ala
 1               5                  10               15

Ser Arg Gly Leu Gly Cys Arg Leu Ala Gly Ala His Ala Ala Ile Pro
            20                  25                  30

Phe Ala Ala Ile Arg Val Thr Cys Ile Gly Ser Cys Gly Val Ser Asn
        35                  40                  45

Lys Ala Asn Asp Thr Ala Trp Val Val Glu Glu Gly Tyr Phe Asn Ser
    50                  55                  60

Ser Leu Ser Leu Ala Asp Lys Gly Ser Leu Pro Ala Gly Glu His Ser
65                  70                  75                  80

Phe Pro Phe Gln Phe Leu Leu Pro Ala Thr Ala Pro Thr Ser Phe Glu
                85                  90                  95

Gly Pro Phe Xaa Lys Ile Val His Gln Val Lys Ala Ala Ile Gln Thr
            100                 105                 110

Pro Xaa Phe Ser Lys Asp His Lys Xaa Lys Pro Arg Gly Leu Tyr Leu
        115                 120                 125

Glu Pro Leu
    130


<210> 7599
<211> 76
<212> PRT
<213> Homo sapiens

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6777

<222> (62)
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  1   5   10   15

Gly Thr Pro Ser Trp Ala Leu Gln Pro Cys Pro Leu Ala His Thr Met
            20   25   30

Asp Arg Ala Leu Ile Ser Pro Trp Asp Gly Val Pro Gln Gly Gly Glu
        35   40   45

Gly Cys His Leu Gly Trp Met Asp Asp Ser Thr Val Pro Xaa Leu Xaa
    50   55   60

Ala Leu Xaa Lys Ser Lys Leu Met Gly Gln Xaa Xaa
65   70   75

<210> 7600
<211> 62
<212> PRT
<213> Homo sapiens

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7600
Gly Cys Thr Ala Gly Lys Ser Leu Ser Lys Leu Leu Ala Trp Ser Pro
  1               5              10              15

Val Ser Ser Pro Pro Arg Gly Ser Ser Pro Xaa Phe Thr Phe Pro Phe
            20              25              30

Ser Leu Ser Cys Ala Glu Cys Pro Thr Pro Ala Leu Phe Pro Phe Trp
        35              40              45

Val Ser Leu Leu Gly Xaa Gly Xaa Xaa Val Ser Pro Thr Gly
      50              55              60


<210> 7601
<211> 99
<212> PRT
<213> Homo sapiens

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<220>
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6780

<222> (90)
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<400> 7601
Ser Ser Asp Pro Ile His Pro Ser Ala Val Xaa Thr His Gln Arg Gly
 1   5   10   15

Ala Ala Leu Thr Leu Pro Met Gln Leu Gly Arg Gly Glu Arg Arg Arg
         20   25   30

His Ser Lys Leu Lys Leu Phe Ala Val Ser Ser Xaa Xaa Xaa Lys Pro
         35   40   45

Xaa Xaa Ser Ser Pro Asn Xaa Gly Xaa Lys Ala Lys Ser Xaa Xaa Arg
     50   55   60

Leu Gln Xaa Arg Gly Lys Ala Pro Ser Ala Pro Glu Xaa Pro Xaa Val
 65   70   75   80

Leu Gly Leu Gly Gly Thr Leu Gln His Xaa Leu Leu Trp Thr Pro Glu
             85   90   95

Gly Arg Ile

<210> 7602
<211> 114
<212> PRT
<213> Homo sapiens

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<400> 7602
Pro Ala Ser Cys Pro Thr Gly Ser Pro Ala Val Pro Val His Leu Pro
 1   5   10   15

Ala His Pro Gly Thr Cys Pro His Cys Leu Leu Pro Ala Leu Cys Gly
         20   25   30

Arg Thr Glu Ala Lys Arg Arg Ser Leu Glu Leu Trp Ser His Gly Asn
         35   40   45

Gly Ser Leu Pro Thr Thr His Ala Cys Pro Ala Phe Leu His Ala Leu
     50   55   60

Lys Arg Gly Glu Trp Asn Leu Leu Gly Pro Gly Asn Ala Pro Leu Leu

6781

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      65                      70                     75                     80

Arg His Ser Leu His Tyr Ser Leu Ala Ser Ser Val Gly Asn Ser Leu
                85                      90                     95

Pro Ile Gly Val Pro Arg Gln Thr His Arg Glu Ser Trp Gln Asn Phe
               100                     105                    110

Xaa Phe
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<210> 7603
<211> 39
<212> PRT
<213> Homo sapiens

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<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7603
Trp Thr Asp Tyr Gly Thr Leu Arg Leu Ala Cys Thr Gly Ser Xaa His
  1               5                  10                     15

Xaa Xaa Glu Asn Arg Ser Leu Ala Leu Pro Leu Pro Val Ala Gly Leu
                20                      25                     30

Thr Ala Cys Pro Pro Ala Cys
            35
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<210> 7604
<211> 29
<212> PRT
<213> Homo sapiens

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<220>
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<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7604
Thr Tyr His Leu Ala Phe Leu Leu Ala Leu Met Asn Leu Asn Phe Xaa
 1               5                  10                 15

Pro Asn Val Asp Ala Leu Xaa Xaa Leu Xaa Xaa Glu Pro
            20              25



<210> 7605
<211> 22
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<220>
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6783

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7605
Ala Ser Ser Arg Ser Arg Ala Ala Xaa Ile Ser Leu Gly Xaa Phe Tyr
 1   5   10   15

Asn Xaa Xaa Phe Trp Gly
            20

<210> 7606
<211> 64
<212> PRT
<213> Homo sapiens

<400> 7606
Ala Gly Leu Thr Ala Pro Ser Met Gly Pro Ile Leu Tyr Leu Val Leu
 1   5   10   15

Ser Trp Ser Lys Gly His Leu Gln Cys His Lys Tyr Pro Tyr Ile Arg
            20   25   30

Lys Lys Met Ile Ser Tyr Gln Leu Ala Leu Thr Asn Val Leu Leu Ile
            35   40   45

Glu Gln Pro Thr His Ser Val Asp Tyr Val Asn Leu Ser Gly Leu Leu
    50   55   60

<210> 7607
<211> 56
<212> PRT
<213> Homo sapiens

<220>
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<220>
<221> SITE

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<220>
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6785

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<220>
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<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7607
Gly His Ala Cys Xaa Ile Phe Gly Ile Ser His Xaa Asn Tyr Phe Arg
 1               5                  10                  15

Leu Glu Gln Val Ala Thr Gln Leu Xaa Thr Glu Leu His Gln Arg Xaa
            20                  25                  30

Xaa Thr Trp Met Xaa Arg Asp Leu Ala Ser Val Xaa Xaa Xaa Gln Gln
        35                  40                  45

Xaa Xaa Xaa Trp Ile Xaa Leu Ser
     50                  55




<210> 7608
<211> 92
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<220>
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<400> 7608
Ser Phe Xaa Leu Ile Asn Leu Leu Pro Ile Asn Ala Val Xaa Pro Thr
  1   5   10   15

Ser Ser Gln Gln Ile Pro Xaa Arg Glu Thr Xaa Glu Ala Asn Lys Glu
         20   25   30

Arg Arg Lys Met Thr Ser Lys Ser Ser Glu Ser Asn Ile Tyr Ser Pro
         35   40   45

Leu Thr Xaa Phe Ile Thr Ala Asp Ser Glu Leu His Asp Ile Ile Lys
     50   55   60

Asp Leu Glu Asp Xaa Leu Met Val Gly Leu His Thr Cys Gly Asp Leu
65   70   75   80

Gly Ser Lys Tyr Phe Ala Asn Ile Tyr Leu Gln Leu
             85   90

<210> 7609
<211> 58
<212> PRT
<213> Homo sapiens

<220>
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<220>
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<222> (56)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7609
Pro Lys His Ile Asn Leu Xaa Thr Asp Leu Thr Ser Asp Gln Gly Gln
 1               5                  10                  15

Asp Pro Xaa Trp Glu Val Ile Leu Asp Tyr Thr Ser Leu Leu Trp Ser
            20                  25                  30

Gly Cys Lys His Cys Ser Xaa Ser Glu Cys Gly Phe Thr Leu Asn His
            35                  40                  45

Pro Xaa Tyr Thr Gly Leu Ile Xaa Cys Leu
        50                  55


<210> 7610
<211> 15
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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<220>
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<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 7610
Leu Trp Xaa His Xaa His Xaa Lys Asn Ile Ala Trp Lys Lys Lys
 1               5                  10                  15


<210> 7611
<211> 79
<212> PRT
<213> Homo sapiens
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6788

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<400> 7611
Ser Val Thr Glu Gly Arg Leu Cys Xaa Val Ser Cys Ile Phe Leu Phe
 1               5                  10                 15

Phe Gln Lys Leu Gln Met Phe Ile Ile Ser Phe Lys His Cys Leu Asn
             20                  25                 30

Ser Asn Trp Xaa Ile Thr Ala Val Xaa Arg Arg Gly Leu Ser Leu Tyr
             35                  40                 45

Phe Met Arg Arg Met Thr Thr Asn Leu Glu Glu Arg Ser Tyr Tyr Xaa
         50                  55                 60

Thr Gln Asp His Gln Ser Met Cys Arg Thr Leu Ser Xaa Leu Ile
 65                  70                  75


<210> 7612
<211> 28
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
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